BULLETIN
OF THE
UNIVERSITY OF TEXAS

1916: No. 21

APRIL 10 1916

CATALOGUE
OF THE
DEPARTMENT OF MEDICINE
GALVESTON
1915-1916

INCLUDING ANNOUNCEMENTS FOR
1916-1917

Published by the University six times a month and entered as second-class matter at the postoffice at Austin, Texas

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The benefits of education and of useful knowledge, generally diffused through a community, are essential to the preservation of a free government.

Sam Houston.

Cultivated mind is the guardian genius of democracy. . . . It is the only dictator that freemen acknowledge and the only security that freemen desire.

Mirabeau B. Lamar.

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BOARD OF REGENTS

FRED W. COOK, Chairman.

Terms expire January, 1917

DAVID HARRELL.....Austin
WILL C. HOGG.....Houston
ALEXANDER SANGER.....Dallas

Terms expire January, 1919

FRED W. COOK.....San Antonio
A. W. FLY, M. D. .....Galveston
GEORGE W. LITTLEFIELD.....Austin

Terms expire January, 1921

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E. J. MATHEWS, Secretary, Austin.

Standing Committees

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COMPLAINTS AND GRIEVANCES: Hogg, Faber, Jones.
EXECUTIVE: Hogg, Sanger, Cook.
FINANCE: Sanger, Littlefield, Jones.
LAND: Littlefield, Sanger, Harrell.
LEGISLATION: Harrell, Littlefield, Hogg, Cook.
MEDICAL DEPARTMENT: Fly, Hogg, McReynolds.

The Board of Regents meets in Austin on the fourth Tuesdays of April and October and on the day preceding Commencement Day, and in Galveston in May on the day on which the graduating exercises of the Department of Medicine are held.

DEPARTMENT OF MEDICINE

FACULTIES

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School of Medicine

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JAMES EDWIN THOMPSON, M. B., B. S. (LOND.), F. R. C. S. (ENG.), *Professor of Surgery.*

SETH MABRY MORRIS, B. S., M. D., *Professor of Ophthalmology and Otology.*

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MARVIN LEE GRAVES, M. A., M. D., *Professor of Medicine.*

GEORGE HENDERSON LEE, M. D., *Professor of Obstetrics and Gynecology.*

HENRY CHARLES HARTMAN, M. D., *Professor of Pathology.*

BURDETT LOOMIS ARMS, M. D., *Professor of Preventive Medicine.*

WILLIAM CUMMING ROSE, B. S., PH. D., *Professor of Biological Chemistry.*

MARIE CHARLOTTE SCHAEFER, M. D., *Associate Professor of Histology and Embryology.*

DAVID HENRY LAWRENCE,* PH. G., M. D., *Associate Professor of Medical Jurisprudence.*

HARRY O. KNIGHT, B. A., M. D., *Associate Professor of Anatomy.*

ALLEN GEORGE HEARD, M. D., *Adjunct Professor of Pediatrics and Medicine.*

CHARLES BELL MCGLUMPHY, PH. C., M. D., *Adjunct Professor of Bacteriology.*

EDWARD RANDALL, M. D., *Lecturer on Physical Diagnosis.*

RAOUL RENE DANIEL CLINE, B. S., M. A., PH. G., M. D., *Lecturer on Pharmacy.*

MARVIN LEE GRAVES, M. A., M. D., *Lecturer on Nervous and Mental Diseases.*

*Absent on leave during the session of 1915-1916.

Albert Olin Singleton, B. S., M. D., *Lecturer on Genito-urinary Diseases and Dermatology, and Instructor in Surgery.*

Walter Parry Breath, M. D., *Lecturer on Otology, Rhinology, and Laryngology.*

Dick Parker Wall, M. D., *Lecturer on Medical Jurisprudence.*

Frederick Worley Aves, M. D., *Instructor in Surgery.*

Willard Richardson Cooke, B. A., M. D., *Instructor in Gynecology.*

Jesse Autrey Flautt, M. D., *Instructor in Obstetrics.*

Violet Hannah Keiller, B. A., M. D., *Instructor in Surgical Pathology.*

Herbert Lee McNeil, B. A., M. D., *Instructor in Medicine and Clinical Pathology.*

Fred Lee Story, B. S., M. D., *Instructor in Pathology.*

Charles Turner Stone, B. A., M. D., *Instructor in Clinical Medicine.*

Lawrence Evans Chapman, B. A., M. D., *Instructor in Physiology and Pharmacodynamics.*

Scott Stuart Fay, B. S., M. A., M. D., *Instructor in Bacteriology.*

William Boyd Reading, M. D., *Instructor in Clinical Medicine.*

Moise Dreyfus Levy, M. D., *Instructor in Clinical Pathology.*

Otto James Potthast, M. D., *Assistant in Anatomy.*

Frank W. Dimmitt, Jr., Ph. G., *Fellow in Biological Chemistry.*

Paul Henry Streit, *Assistant in Pathology.*

Earl Dean Crutchfield, B. A., *Assistant in Pathology.*

William Shelton Barcus, *Assistant in Surgical Pathology.*

Lieuen Moss Rogers, Ph. G., *Assistant in Chemistry.*

Oran Robert Lasater, *Assistant in Anatomy.*

School of Pharmacy

Edward Randall, M. D., *Professor of Materia Medica and Therapeutics.*

Raoul Rene Daniel Cline, B. S., M. A., Ph. G., M. D., *Professor of Pharmacy.*

William Cumming Rose, B. A., Ph. D., *Profesor of Biological Chemistry.*

Walter T. Garbade, B. S., Ph. G., *Adjunct Professor of Chemistry.*

John C. Buckner, Ph. G., *Lecturer on Botany and Pharmacy.*

Frank W. Dimmitt, Jr., Ph. G., *Fellow in Biological Chemistry.*

School of Nursing

ETHEL D'ARCY CLAY, R. N., *Clinical Instructor in Nursing.*
ETHEL MITCHELL, *Student Assistant in Nursing.*

THOMAS H. NOLAN, *Provost of the Medical Department and Secretary of the Faculty.*
ANABEL NORWOOD, *Librarian.*
RUTH HUMPHREY, B. A., M. A., *Secretary to the Dean.*
MRS. HUGH L. DAVIS, *Superintendent of University Hall.*

CALENDAR FOR THE TWENTY-FIFTH ANNUAL SESSION 1916-1917

Examinations for the removal of conditions and for advanced standing or exemptions will be held September 28, 29, and 30, 1916.

Registration days, September 28, 29, and 30, and October 2, 1916
Opening exercises .....Monday, October 2, 1916
Thanksgiving day.....Thursday, November 23, 1916
Christmas holidays, December 23, 1916-January 2, inclusive, 1917
Mid-year examinations begin.....January 20, 1917
Washington's Birthday.....February 22, 1917
Texas Independence Day.....March 2, 1917
Final examinations for graduating classes begin..May 10, 1917
Final examinations for other classes begin.....May 15, 1917
Graduating exercises .....May 31, 1917

SCHOOL OF MEDICINE

ANNOUNCEMENT FOR THE TWENTY-SIXTH ANNUAL SESSION, 1916-1917

Historical Sketch

The first annual session of the Medical Department of the University of Texas began on October 1, 1891, and closed on April 22, 1892.

The twenty-fifth annual session opened on Friday, October 1, 1915, and will close with appropriate exercises on Wednesday, May 31, 1916.

The twenty-sixth annual session will begin on October 2, 1916, and will continue until May 31, 1917.

The sixth was the last session open to matriculates desiring to graduate under the requirement of three annual sessions for the completion of the course; four annual sessions of eight months each are required for graduation of all students matriculating for the existing course of instruction.*

Grounds and Buildings

The College Building occupies a block of ground situated on Avenue B, between Ninth and Tenth Streets; and upon the contiguous block, between Eighth and Ninth Streets, is situated the John Sealy Hospital, the property of the state, and a part of the Medical Department of the University. The College Building was erected in 1890 at the cost of $86,000, exclusive of furnishings and equipment. It is a large and commodious building, modern in construction and imposing in architecture. It contains three large lecture theaters; anatomical, chemical, pharmaceutical, physiological, pathological, histological, and bacteriological laboratories; museums, library, and reading-room; faculty room, officers' rooms, and also rooms and laboratories occupied by the School of Pharmacy. The building is well lighted

*The authorities reserve the right of addition to, subtraction from, and modification of the announcements of this catalogue as they shall deem for the best interests of the school and the students.

by side windows and skylights, is fitted throughout with gas and water, and is heated by steam.

For a description of the John Sealy Hospital, see pages 47-51.

University Hall

University Hall, erected in 1897, at a cost of about $40,000, was given by Mr. George W. Brackenridge, of San Antonio, in order to encourage women to enter the professions, especially the profession of medicine. It provides the comforts of a home for women students in the Schools of Medicine and Pharmacy.

The Hall is a handsome brick building of three stories, the second and third of which are divided into about thirty rooms, including living rooms, bedrooms, bathrooms, parlors, etc. On the first floor are reception rooms, dining room, kitchen, etc. The building is heated by steam and lighted by electricity. The rooms are well furnished, and are rented to women students for $5.00 a month.

The superintendent of University Hall, Mrs. Hugh L. Davis, lives in the building and looks well after the comfort of the women students who reside there.

FACILITIES FOR TEACHING

Laboratories

The various departments of the Medical School were well equipped when it was organized in 1891. The equipment has been added to every session as the attendance has increased, and at present each laboratory is fully provided with all the apparatus and supplies required for teaching and for original investigation.

The laboratories of chemistry and of pharmacy occupy the first floor. The chemical laboratory has 275 working desks completely equipped with all the apparatus and reagents necessary for individual work by the students in performing chemical experiments.

The laboratory of pharmacy is also fully equipped with apparatus and the facilities required for practical instruction, and has a large collection of drugs and pharmaceutical prepa-

rations. While this laboratory is used chiefly by the School of Pharmacy, it is also used for giving practical instruction to the medical students in materia medica and pharmacy in the freshman year.

On the second floor is the physiological laboratory, consisting of a large room for practical instruction and of other rooms for preparation and research. This laboratory is thoroughly equipped with physiological apparatus for investigation and demonstration, and in addition has fifteen complete sets of apparatus for student exercises, made after the Harvard models, so that the students, working in sections of thirty or less, perform all but the most difficult experiments themselves. Demonstrations in pharmaco-dynamics are also given in this laboratory.

On the third floor the laboratories of pathology and histology, each equipped with thirty microscopes and working tables, provide for individual work in the practical instruction in these subjects by each member of the class, which is divided into sections for this purpose.

The laboratory of bacteriology, also on the third floor, is provided with microscopes having oil-immersion lenses, and with all apparatus necessary for practical exercises in bacteriology. Sections of thirty students each can be accommodated in this laboratory.

The laboratory of anatomy occupies the entire fourth floor, and is well lighted by ceiling and side lights (see Museum of Anatomy, page 9). The supply of anatomical material is adequate, and its preservation is ideal for purposes of dissection.

The laboratory of clinical medicine is on the first floor of the Nurses' Home, adjacent to the hospital. It is thoroughly equipped with apparatus and microscopes having oil-immersion lenses, for individual work in the study of clinical pathology and of the cases in the medical wards by members of the junior and senior classes.

In the basement of the College Building there is a machine shop in charge of a skilled mechanic. The shop is fitted up for all kinds of metal and woodwork. Much of the apparatus in use in the different laboratories is either made or repaired here.

When the College Building was repaired after the storm of 1900, many alterations and improvements were made, especially in the library and in the laboratories of anatomy, bacteriology, physiology, and pharmacy.

It is the policy of this school to attach little value to purely didactic teaching. Lectures, recitations, and demonstrations are regarded as necessary to enable the students to get the greatest benefit from the laboratory instruction, but the practical work in the laboratories and clinics is considered the most important part of the teaching. The students do not merely see others demonstrate how to do things. Each subject is taught in a practical manner, and whenever it is practicable the students themselves perform experiments, prepare and study specimens, examine patients, etc. The students are graded upon their attendance and practical work in the laboratories, clinics, ward classes, etc., and this record constitutes a part of the term grade in each subject.

The individual instruction and the positive knowledge acquired by the student's own personal observations are regarded as being of the utmost importance in giving the scientific training necessary for the work of the medical profession.

Library and Reading-room

ANABEL NORWOOD, *Librarian*

The library occupies the east end of the first floor of the College Building. The large room at the end of the hall is the reading-room; the two adjoining rooms contain cases and stacks for journals, and the fourth is used for sorting and storing duplicate journals and incomplete files of same. The reading-room is well lighted, is supplied with chairs and tables, and students may read or study here from 8 a. m. to 12 m., and from 1:30 to 5 p. m. The most important modern medical textbooks, books of general reference, such as encyclopedias, indexes, etc., and the best American and foreign medical journals are kept in cases in the reading-room, and the students have easy access to them.

The library includes 9069 volumes and 2038 pamphlets, some of which have been given by generous physicians. Most of the

library has been acquired by purchase. After the storm of 1900 over $4000 was expended by the regents in restoring the library. Since that time an annual appropriation of $1000 has been used in adding the more important texts and monographs and in completing many of the files of journals used for reference in making original investigations.

The books are classified according to the Dewey system, and are catalogued by author, subject, and title, so that they can readily be used for consultation in the reading-room or for withdrawal from the library.

The library is in charge of the librarian, who devotes her entire time to it.

Regular physicians, other than those of the teaching staff, may consult books and journals in the library, but the privilege of withdrawing them from the library is limited to those connected with the Department of Medicine.

Museums

Instead of one general museum, there are special collections of typical specimens in connection with the different laboratories, which make possible their use for teaching purposes.

Museum of Anatomy

The museum of anatomy is no mere collection of rare specimens, but is an integral part of the teaching equipment, being composed of specimens which have been prepared for their teaching value. The specimens are displayed and labeled with full descriptions on cards or in hand-books, so that the student can acquaint himself with their anatomy. The bones are painted, labeled, described, and fixed to tables conveniently arranged for study; ossification is illustrated by mounted specimens; sections and dissections of the eye, ear, brain, limbs, trunk, pelvis, head, etc., are displayed with full description; wax models of embryology and special dissections and models for illustrating applied surgical anatomy are also used.

The Department of Anatomy is constantly increasing the size and usefulness of this portion of the teaching equipment.

Museum of Pathology

The museum of pathology affords, as aids in teaching, a great variety of pathological specimens, especially those showing the gross lesions and their practical application to medicine and surgery. The collection consists of more than sixteen hundred specimens, which have been brought together during a number of years, and is constantly being enlarged. Each specimen is labeled with the serial number of the museum, the diagnosis, and the name of the donor. The history of each case, as far as obtainable, together with a description of the gross and microscopic findings, is recorded in a catalogue kept for that purpose. The most important specimens are of great value and easy of access for teaching purposes. Students and physicians have access to the shelves at all times, and the specimens are continually used in class-room demonstrations.

It is earnestly recommended that physicians throughout the state interest themselves in this museum. Any material illustrating interesting pathological conditions of organs or tumors, early fetuses, monsters, etc., may be put in a five per cent solution of formalin or strong alcohol and forwarded at the expense of the laboratory. Full credit will be given to the donor, and, if desired, a report of the microscopic findings will be promptly forwarded to him.

Hospital Facilities

During the past year there have been treated in the wards of the John Sealy Hospital 3085 patients, exclusive of a large number of outdoor patients, who also furnished clinical material for the instruction of the classes. The resources of illustration of medical ailments, surgical affections and accidents, and their management are ample. Daily clinics are given throughout the entire session by members of the faculty and by special lectures. Much attention is devoted to bedside instruction, in which the students are required to accompany the teachers through the wards and practically acquire the methods of diagnosis and treatment. For a full statement of the work done in the John Sealy Hospital, see pages 46-51.

During the past year there were 7048 new cases and 8841 old

cases treated in the outdoor clinics or dispensaries. These outdoor clinics have been organized so that each senior student receives the benefit of a period of this clinical work, in its several departments—medicine, surgery, obstetrics, and gynecology, and special diseases.

St. Mary's Infirmary, an excellent hospital under the care of the Sisters of the Incarnate Word, is situated at Market and Eighth Streets, only two blocks from the College.

ADMISSION

Men and women are admitted to the School of Medicine on equal conditions, as follows:

1. Age and Character

Candidates must be at least seventeen years of age, and each candidate less than twenty-one years of age must present a written statement from a parent or guardian showing permission to matriculate.

Applicants must furnish evidence of good moral character and fitness for the profession of medicine. Testimonials signed by at least two reputable and responsible persons, preferably physisians, are required. Students coming from other colleges must present letters of honorable dismissal.

2. Vaccination

Candidates must present evidence of proper vaccination at a date sufficiently recent to insure protection against smallpox, or be vaccinated upon matriculation.

3. Legal Requirements

Under the Medical Practice Act of 1907, the regulations of the Texas State Board of Medical Examiners require that applicants for the license to practice medicine in Texas, in order that they may be eligible to the examination for such license, shall have obtained from the board, at the time of admission to a medical college, a certificate of satisfactory preliminary education.

The University of Texas requires credit for five prescribed college courses, in addition to fourteen entrance units, as the minimum entrance requirement, and the State Board of Medical Examiners issues its certificate upon credit for a full high-school course of the first class, followed by five college courses. Those who can satisfy the admission requirements of the University have no difficulty in securing the certificate of the State Board of Examiners. The certificate of the State Board of Medical Examiners should be obtained from the secretary of the board before admission. The requirements of the State Board of Medical Examiners must be satisfied independently of those of the University.

4. Scholarship

The standard of admission to the School of Medicine is fourteen units of high-school credit as specified under A below and, in addition, a year of college work consisting of five full courses in the College of Arts of the University of Texas as specified under B below, or their equivalent in another institution of good standing. Beginning with the session of 1917-18, two years of college work consisting of ten full courses will be required.

A. A unit of high-school credit implies a full session of high-school study of five class periods a week at least forty minutes long.

Among the units presented must be the following: three units in English; two units in history; one and one-half units in algebra, one unit in plane geometry; two units in one foreign language. The remainder may be selected from the list below. It is urged that Latin should be included. The requirement of two units in a foreign language may be absolved by one college course in German or French, in case a foreign language has not been included in the high-school course.

Subjects and Units That May Be Presented for Admission

English, 3 or 4.
History and Civics:
- Ancient History, 1.
- Medieval and Modern History, 1.
- American History, 1.
- English History, 1.
- Civics, ½.

Mathematics:
- Algebra, 1½.
- Plane Geometry, 1.
- Solid Geometry, ½.
- Trigonometry, ½.

Foreign Languages:
- Latin, 2 or 3 or 4.
- Greek, 2 or 3.
- German, 2 or 3.
- French, 2 or 3.
- Spanish, 2 or 3.

Natural Sciences:
- Physiography, ½.
- Physiology and Hygiene, ½.
- Physics, 1.
- Chemistry, 1.
- Botany, 1.
- Zoology, 1.
- Biology, 1.
- Introduction to Science, 1.

Vocational Subjects:
- Agriculture, ½ or 1.
- Bookkeeping, 1.
- Domestic Economy:
  - Domestic Art, ½ or 1.
  - Domestic Science, ½ or 1.
- Drawing, ½ or 1.
- Manual Training, ½ or 1.
- Stenography and Typewriting, 1.

B. A full course in the College of Arts of this University implies three class-room hours a week or their equivalent throughout the year. Two hours of preparation are expected for each class-room hour. Three hours of laboratory work are counted as equal to one class-room hour and the preparation for it.

Among the five college courses must be included one in biology, one in physics, one in chemistry, one in English, and one in German or French.

Until September, 1917, a condition may be allowed for one-half the work required in physics and in German or French.

One unit of high-school credit followed by a half-year's college work in physics will satisfy the requirement in physics, but will count only one-half a course toward satisfying the requirement of five college courses. Similarly, two high-school credits in German or French followed by a half year's college work in

the same language will satisfy the requirement in a foreign language, but will count only one-half a course toward satisfying the requirement of five college courses.

The total number of courses presented by the applicant must not be less than five, and all conditions must be made up before the sophomore year. Beginning with the session of 1917-1918 full college courses will be required in physics and in German or French. High-school credits will not be accepted to satisfy the requirements in these subjects after the session of 1916-17.

Credit for two years of college work or ten college courses, including chemistry, biology, physics, English, and German or French will be required for admission, beginning with the session of 1917–18.

Candidates for admission must present full statements from the colleges previously attended, signed by the proper authority, certifying to the following points:

(1) Honorable dismissal; (2) the number of admission credits allowed, and the mode of admission, *i. e.*, whether by examination or by acceptance of credentials from approved schools; (3) the college courses completed, giving the number of hours a week and the number of weeks devoted to each subject. A catalogue of the college previously attended must also be presented. All applications for admission to the School of Medicine should be made out on the regular blanks of the University of Texas. These are passed upon by the committee of the general faculty of the Main University on the admission of students from other colleges.

Any one who expects to enter the School of Medicine is urged to send such certificate and catalogue as early in the summer as possible, and certainly before the registration days (September 28 to October 1) in order that the value of the admission credits may be properly determined before the time for matriculation.

Much time and trouble may be saved if applicants for admission will obtain these statements in duplicate. One of these is required by the State Board of Medical Examiners in issuing the entrance certificate, as explained above, and the other is necessary for admission to the University.

Work Preparatory to Medicine

While one year's college work of five courses is now the requirement for admission to the School of Medicine, it is much better to take more college work than the minimum requirement. For students so situated as to make this possible, one of the groups offered by the College of Arts in the Main University at Austin is suggested. In any of these groups if German or French or German and French be used to absolve part of the admission requirements to the College of Arts, advanced work in either or both of these subjects may be taken, or additional electives chosen in lieu thereof. Students are advised to present Latin and one other foreign language for admission rather than other subjects.

Group I. Leading to the Degree of Bachelor of Arts

On the completion of this group the degree of Bachelor of Arts will be conferred.

Freshman Year:

English 1	1
German A	1
Mathematics 1 or 2 or 4	1
Physics 1	1
Zoology 1	1
Physical Training.	5

Sophomore Year:

English 2 or 3	1
German 1	1
French A	1
Chemistry 1	1
Zoology 4	1
	5

Physical Training (as soon as adequate facilities are provided).

Junior Year:

French 1	1
Chemistry 2	1
Zoology 410	1⅓
Economics 1 or Government 1; or Philosophy 101f and Zoology 105w and 106s	1
Elective	⅔
	5

Senior Year:

Chemistry 411	1⅓
Philosophy 101f and Zoology 105w and 106s; or Economics 1 or Government 1	1
Electives	2⅔
	5

Philosophy 141w and 142s are recommended as electives.

The student must make an average grade of at least C on his last ten courses, and must show such ability to write clear and correct English as to satisfy the Committee on Students' Use of English.

The numbers used in these groups refer to courses in the College of Arts of the Main University at Austin. Full information concerning them may be obtained from the general catalogue of the University of Texas.

Group II. Leading to the Degree of Bachelor of Arts

This group is arranged particularly for those who intend to go to the Medical Department at Galveston, and who can not well afford to give four years to a preparatory training. A student who completes this group and the first two years in the School of Medicine at Galveston will receive the degree of B. A., to be conferred, according to his preference, either at Austin or at Galveston. Thus the two degrees may be taken in seven years.

Freshman Year:

English 1	1
German A	1
Mathematics 1 or 2 or 4	1
Physics 1	1
Zoology 1	1
	5

Physical Training.

Sophomore Year:

English 2 or 3	1
German 1	1
French A	1
Chemistry 1	1
Zoology 4	1
	5

Physical Training (as soon as adequate facilities are provided).

Junior Year:

Chemistry 2 or 440	1 or 1⅓
Economics 1 or Government 1	1
Philosophy 101f, 141w, and 142s; or Philosophy 101f and Zoology 105w and 106s	1
Elective	2 or 1⅔
	5

The student must make an average grade of at least C in his last ten courses, and must show such ability to write clear and correct English as to satisfy the Committee on Students' Use of English.

Group III. Leading to the Degree of Bachelor of Science in Medicine

This group is designed for those who can stay only two years in the College of Arts. A student who completes this group and

the first two years in the School of Medicine at Galveston will receive the degree of Bachelor of Science in Medicine, to be conferred, according to his preference, either at Austin or at Galveston. Thus the two degrees may be taken in six years.

Freshman Year

English 1	1
Mathematics 1 or 2 or 4	1
A foreign language, preferably German or French	1
Physics 1	1
Zoology 1	1
Elective	⅓
	5⅓

Physical Training.

Sophomore Year:

English 2 or 3	1
The foreign language begun in the freshman year	1
Economics 1 or Government 1	1
Chemistry 1	1
*Philosophy 101f and Zoology 105w and Zoology 106s; or Zoology 4	1
	5

Physical Training (as soon as adequate facilities are provided).

The student must make an average grade of at least C in his sophomore year, and must show such ability to write clear and correct English as to satisfy the Committee on Students' Use of English.

Exemptions

Graduates and students of other colleges who present satisfactory evidence that they have had instruction in any branches taught in the medical curriculum, equivalent in character and

*Philosophy is open to a sophomore only if he completed the freshman year with credit.

extent to that given in this school, may receive exemptions in such subjects by passing examinations with a grade of 75 per cent or more. In applying for exemption in any subject, it is necessary for the applicant to present from his former instructor a letter stating the time spent and ground covered, and also to furnish a catalogue of the college or university from which he comes.

All examinations for exemptions must be taken September 28, 29, and 30, 1916, before the opening of the session.

Advanced Standing

Students of other medical colleges may be admitted to advanced standing by satisfying the following requirements:

(a) Documentary evidence must be furnished to show that the applicant has had a preliminary education equivalent to that required of the members of the class to which admission is desired.

(b) The applicant must furnish satisfactory evidence of having had didactic and practical laboratory or clinical instruction in the subjects that have been covered by the class which he wishes to enter, equal in character and extent to that given in this school.

(c) Satisfactory examinations, with a grade of 60 per cent or more, must be passed in all such subjects.

(d) A statement of honorable dismissal must be furnished from the medical college last attended.

Examinations for advanced standing will be held September 28, 29, and 30, 1916.

A graduate of a regular medical school seeking a diploma from this institution will be admitted to the graduating class on passing examinations, with a grade of 60 per cent or more, in all subjects taught in the first three sessions of the course in this school. (For the arrangement of the curriculum see pages 21-23.)

A graduate of a regular medical school, not wishing a degree, will be admitted to an elective course in any of the branches of the curriculum upon satisfying the financial requirements.

EXAMINATIONS AND CLASS STANDING

The session is divided into two terms or semesters of fourteen teaching weeks each. Examinations are held at the end of the first term during the last week of January and at the end of the session during the last two weeks of May. For those subjects which are taught throughout the entire session the final examinations cover the work of both terms, but for subjects completed in either term the examination at the end of that term is final. A grade of 60 per cent or more is required to secure credit for any subject. If a student fails to make 60 per cent in the intermediate examination, he may pass satisfactorily by making 75 per cent in the final examination over the entire subject.

Absence from more than 10 per cent of the practical work in any laboratory or clinical course of instruction, without satisfactory excuse to the professor in charge or to the dean, makes a student ineligible to the examinations in that subject.

If the student fails to take the examinations at the regular scheduled time, without having been excused by the dean or by the professor in charge, he will be required to repeat the course in that subject.

A student's name may be dropped from the roll at any time during the session, if, in the opinion of the faculty, he is not doing the work of the course in a satisfactory manner.

A student whose grades are unsatisfactory may be conditioned in less than three major subjects. Examinations for the removal of conditions will be held during the last week in September, preceding the next session, and a grade of 75 per cent or more is required in such examinations. If a student fails to pass a satisfactory examination for the removal of a condition, he will be required to repeat the course, and will not be permitted to take advanced work in any subject in conflict therewith on the roster. Students will not be allowed to carry conditions for more than the equivalent of one major subject.

A student is not permitted to carry a deficiency beyond the year succeeding that in which the deficiency occurs. Students

with such unsatisfied branches will be matriculated in the class in which the deficiencies occur.

A student conditioned in three or more major branches will not be permitted to take examinations to remove such conditions, but will be required to repeat the year's course in its entirety.

Students who matriculate after the registration days (September 28, 29, 30, and October 2) will be required to pay a delayed registration fee of $3.00.

No regular student will be matriculated after October 15 of any year, except by unanimous consent of the faculty.

No examinations for the removal of deficiencies will be given after October 1 of any year. No student will be permitted to do class work until matriculated.

REQUIREMENTS FOR GRADUATION

Candidates for graduation must be at least twenty-one years of age, and must present evidence of good moral character; they must attend four annual sessions of eight months each and must pass satisfactory examinations in all subjects taught in the senior year; and, after receiving notice of having successfully passed the final examinations of the last session, they must enter their names on the register of candidates for the degree of Doctor of Medicine.

Candidates for graduation must be present and take part in the graduating exercises, unless excused by the dean.

PLAN OF INSTRUCTION

The work of the school is conducted according to the following curriculum:

First Year

Systematic lectures as follows:

Major Subjects: (1) Anatomy (bones, joints, arm, leg, and thorax); (2) biological chemistry; (3) materia medica; (4) normal histology; (5) physiology (digestion, absorption, blood, and respiration).

Minor Subjects: (1) Organic chemistry; (2) embryology; (3) pharmacy.

Practical laboratory work in (1) anatomy; (2) histology; (3) biological chemistry; (4) physiology; (5) materia medica and pharmacy; and (6) embryology.

Second Year

Systematic instruction as follows:

Major Subjects: (1) Anatomy, covering such parts of the subject as are not given in the first year; (2) physiology, covering those parts of this branch which are not given in the first year; (3) general and special pathology; (4) pharmacology.

Minor Subjects: (1) Physical diagnosis; (2) bacteriology; (3) minor surgery.

Practical laboratory work in (1) anatomy; (2) physiology; (3) pathological histology; (4) pharmacodynamics; (5) bacteriology; (6) physical diagnosis.

Third Year

Systematic lectures in the following:

Major Subjects: (1) Practice of medicine (see pages 34-35); (2) practice of surgery (see pages 37-38); (3) normal obstetrics, including the mechanism and management of labor; (4) therapeutics; (5) special pathology (see pages 31-32); (6) applied anatomy; (7) gynecology.

Minor Subjects: (1) Hygiene; (2) nervous diseases; (3) venereal diseases; (4) clinical pathology; (5) dermatology; (6) diseases of the eye; (7) diseases of the ear, nose, and throat.

Practical work in (1) pathology; (2) clinical medicine; (3) clinical pathology; (4) clinical surgery; (5) surgical pathology; (6) surgical and medical applied anatomy.

Clinical lectures in general surgery, medicine, obstetrics, gynecology, nervous and mental diseases, and dermatology.

Fourth Year

Systematic lectures as follows:

Major Subjects: (1) Practice of medicine (see pages 35-36);

(2) practice of surgery (see pages 38-39); (3) gynecology; (4) obstetrics; (5) pediatrics.

Minor Subjects: (1) Nervous and mental diseases; (2) dermatology; (3) diseases of the eye; (4) diseases of the ear, nose, and throat; (5) medical jurisprudence.

Practical work in (1) operative surgery; (2) autopsy-making; (3) ward classes, outdoor clinics, and clinical laboratory in medicine; (4) ward classes and outdoor clinics in surgery; (5) dispensary in gynecology; (6) cases of labor.

Clinical lectures in medicine, surgery, gynecology, dermatology, pediatrics, nervous and mental diseases, diseases of the eye, diseases of the ear, nose, and throat.

DEPARTMENTS OF INSTRUCTION

ANATOMY

WILLIAM KEILLER, F. R. C. S. (ED.), *Professor of Anatomy.*
HARRY O. KNIGHT, B. A., M. D., *Associate Professor of Anatomy.*
OTTO JAMES POTTHAST, M. D., *Assistant in Anatomy.*

1. *Freshman Course.*

Ten hours weekly throughout the session.

(*a*) *Osteology.* Ten hours weekly for six weeks in two periods, two weeks in October and four weeks in January. This course is given in laboratory demonstrations and by quizzes. An excellent museum of osteology consisting of painted and labeled specimens, each carefully described in a special hand-book, affords great assistance to the student.

(*b*) *Arm, Leg, and Thorax.* Ten hours weekly for twenty-two weeks. The class is divided into sections, and demonstration of each region on the cadaver precedes the dissection. The regional method of dissection is followed, Cunningham's *Manual of Practical Anatomy* forming the student's guide.

2. *Sophomore Course.*

Ten hours weekly throughout the session.

(*a*) *Eye and Ear.* Ten hours weekly for two weeks. These organs are carefully demonstrated by means of speci-

mens, dissections, and models, and afterward are dissected by the students. A complete series of dissections of the eye and ear, each described on a special card, makes these difficult subjects very clear, and gives great assistance in acquiring a practical knowledge of their anatomy.

(*b*) *Brain.* Ten hours weekly for four weeks. The formalin method of preserving the cadaver has revolutionized the study of the brain. The students are furnished with brains in excellent preservation, and each dissection is preceded by a demonstration on a brain before the class in sections. The nerve tracts are followed by modern methods.

(*c*) *Head, Neck, and Abdomen.* Ten hours weekly for twenty-two weeks. These parts are dissected by the class in sections, a demonstration of each region on the cadaver preceding the dissection.

3. Junior Course.

Four hours weekly throughout the session.

Applied anatomy is taught as a laboratory course, the student dissecting with a special guide-book furnished by the department and designed to present the subject from the standpoint of the clinician and operator. When time permits, fetal anatomy and surgical and medical embryology receive attention.

It has been found that much benefit may be derived from the review of a subject by stereoptican lectures after the class has studied it by dissection. In this way the eye, ear, brain, and cranial nerves are rapidly reviewed. This course of lectures will be steadily extended.

The anatomical museum is every year becoming a more important feature of the teaching equipment of this department. It contains a large and ever increasing number of wet and dry specimens and wax models. The specimens are not hidden away on the shelves where they are comparatively useless, but each is displayed in such a manner as to be convenient for study, is carefully labeled, and is described in a hand-book which the student is expected to consult. Many loose specimens are also constantly available for the purpose of study.

Dissecting material is abundant and thoroughly preserved,

so that dissecting can be carried on with comfort in the warmest weather. The dissecting room is large, airy, well lighted from the roof and sides, always in perfect order, and free from offensive odors.

A reference library containing the more important of the recent text-books and atlases of anatomy is open to students in the anatomical laboratory.

PHYSIOLOGY

WILLIAM SPENCER CARTER, M. D., *Professor of Physiology.*
LAWRENCE EVANS CHAPMAN, B. A., M. D., *Instructor in Physiology and Pharmacodynamics.*

1. *Physiology A.*

Freshman year. Two lectures and four laboratory hours a week for fourteen weeks.

This course covers the physiology of digestion, absorption, the blood and respiration. The laboratory exercises are arranged so that they follow closely upon the lectures and recitations. By frequent cross reference the work of the laboratory is closely correlated with that of the class-room.

Careful consideration is given to the characteristics and composition of the different digestive secretions and the part which each one plays in digestion; the conditions which influence the different phases of digestion, and the activity of the glands concerned in digestion; the movements of the stomach and intestines and all the changes which foods undergo preparatory to absorption; the absorption of foodstuffs, water, crystalloids and colloids from different parts of the alimentary canal; the composition of the blood; methods of estimating the hemoglobin and counting blood corpuscles; hemoglobin compounds, etc.

2. *Physiology B.*

Sophomore year. Five lectures and ten laboratory hours each week for fourteen weeks.

This course includes a thorough consideration of the lymph, circulation, metabolism, nutrition, animal heat, se-

cretions, excretions, nerve, muscle, the central nervous system, and the special senses.

The laboratory is well provided with all the apparatus and facilities for practical work in experimental physiology. For laboratory exercises the class is divided into sections, each section working in two-hour periods five times a week. Two students are assigned to a table having a complete equipment of apparatus after the Harvard models. Most of the experiments are performed by the students themselves under the personal supervision of the professor and instructor, individual instruction being thus insured. The more difficult and complicated experiments are shown by demonstration.

Each student is graded on the practical work in the laboratory, and is required to furnish notes, tabular statements, etc., on every exercise, and also to present tracings when the graphic method is used. The practical instruction by individual work in the laboratory not only enables the student to obtain a better understanding of physiology and to see its relation to other subjects, but it also trains him in experimental methods and better fits him for making individual observations in his medical studies.

The entire ground is covered as evenly as possible, without giving undue prominence to any one part; but those subjects which are especially important to the practicing physician, such as the circulation, metabolism, nutrition, secretions, and excretions, receive most attention.

BIOLOGICAL CHEMISTRY

WILLIAM CUMMING ROSE, B. S., PH. D., *Professor of Biological Chemistry.*

WALTER T. GARBADE, B. S., PH. G., *Adjunct Professor of Chemistry.*

FRANK W. DIMMITT, JR., PH. G., *Fellow in Biological Chemistry.*

LIEUEN MOSS ROGERS, PH. G., *Assistant in Chemistry.*

1. Organic Chemistry.

Four lectures per week for fourteen weeks.

This course treats of the fundamental principles and

theories of organic chemistry, the general methods of synthesis and purification of organic compounds, with a study of their properties. Special attention is given to compounds which are of importance in medicine. This course is a prerequisite to Biological Chemistry.

2. *Biological Chemistry.*

Four lectures and eight laboratory hours a week for fourteen weeks.

The course comprises the chemistry of proteins, fats, and carbohydrates; digestion, intestinal putrefaction, and feces; the analysis of gastric contents, blood, milk, and urine. The students are drilled in quantitative methods—both the analysis of inorganic mixtures, and the separation and estimation of substances of physiological and pathological importance. Particular attention is devoted to metabolism. Experiments are made by the students upon themselves, which enable them to learn first-hand the fate of the foodstuffs in the body, and the chemical state of the eliminated end-products.

The latter part of the course consists of the sanitary examination of drinking water, and the detection and separation of the more important inorganic, organic, and alkaloidal poisons.

MATERIA MEDICA AND THERAPEUTICS

Edward Randall, M. D., *Professor of Materia Medica and Therapeutics.*

Raoul Rene Daniel Cline, Ph. G., M. D., *Lecturer on Pharmacy in the School of Medicine.*

Lawrence Evans Chapman, B. A., M. D., *Instructor in Pharmacodynamics.*

1. *Materia Medica.*

Freshman year. Three lectures or recitations a week for fourteen weeks.

The instruction consists of lectures, recitations, and prescription writing. During one-half of the term, sections of the class are instructed in the laboratory of pharmacy. The

time is devoted to practical work, with particular reference to the study and recognition of crude drugs, their chemical incompatibilities, and the manufacture of the more common preparations.

2. *Practical Pharmacy.*

Freshman year. Four laboratory hours a week for fourteen weeks.

This course is conducted in the laboratory of pharmacy by Professor Cline. It includes a discussion of prescription writing, with special reference to pharmaceutical and therapeutical incompatibilities, and the character and modes of preparation of remedies as far as these bear upon their use in therapeutics. For a full description of this course, see pages 42-43.

3. *Pharmacology.*

Sophomore year. Two lectures or recitations weekly throughout the session; four laboratory hours a week for fourteen weeks.

This course is devoted to the study of the physiological action of drugs. The individual remedies are considered separately, and their effects upon the normal animal organism are examined in detail. During the last third of the term demonstrations in experimental pharmacodynamics are given in the laboratory. The effects of the most important of the different groups of drugs are shown by administering them to animals, which are always kept under the influence of anesthetics during the experiments. In this way the students become thoroughly acquainted with the effect produced by drugs when given in therapeutic and in poisonous doses.

4. *Therapeutics.*

Junior year. Two lectures a week throughout the session.

This course is devoted to the study of applied therapeutics. The general conditions under which each drug may be used in the treatment of diseases are pointed out.

HISTOLOGY AND EMBRYOLOGY

Marie Charlotte Schaefer, M. D., *Associate Professor of Histology and Embryology.*

1. Histology.

Freshman year. Two lectures or recitations and eight laboratory hours weekly throughout the session.

The lecture course includes the microscopic study of all the tissues and organs of the body.

In the laboratory, microscopic sections of the different tissues and organs are mounted and studied. To impress the minute anatomy firmly upon the mind, each student is required to make drawings of his specimens.

Practical instruction is also given in the technic of fixing, imbedding, sectioning, and staining tissues for microscopic examination to those who desire it.

2. Embryology.

Freshman year. Four laboratory hours weekly for fourteen weeks.

The systematic lectures include a brief description of the origin of the various tissues and the development of the different structures and organs of the body.

In the laboratory the various phases of development are studied from microscopic sections and from charts and models. The mounted specimens consist mainly of embryos of the chick and the pig.

PREVENTIVE MEDICINE

Burdett L. Arms, M. D., *Professor of Preventive Medicine.*
Charles Bell McGlumphy, Ph. C., M. D., *Adjunct Professor of Bacteriology.*
Scott Stuart Fay, M. A., M. D., *Instructor in Bacteriology.*

1. Bacteriology A.

Sophomore year. Two lectures or recitations and fifteen laboratory hours a week for seven weeks.

In the laboratory special stress is laid upon the development of correct bacteriologic technic. Practical examinations of air, milk, and water are made. Methods of isolation and identification of bacterial species are learned. The biologic characteristics of about thirty species of bacteria, chiefly pathogens, are studied in detail. So far as possible, the pathologic changes caused in the animal body by the more important pathogenic bacteria are demonstrated upon laboratory animals. Practical methods of examination of bacteriologic material from patients and from autopsies and the technic for the isolation of typhoid and dysentery bacilli from the stools of patients and carriers are learned.

2. *Bacteriology B.*

Sophomore year. Two lectures and four laboratory hours for fourteen weeks.

This course consists in practical work in immunology, serology, and vaccine therapy. It includes the immunization of animals, the production of immune sera, making of vaccines, complement fixation, and agglutination reactions. The principles and methods of disinfection are studied and disinfectants are tested.

3. *Hygiene A.*

Junior year. Two lectures a week during the first term of fourteen weeks.

The following subjects are considered: vital statistics, communicable diseases and their prevention; disinfection and disinfectants; quarantine; personal hygiene; sanitary control of foods, special emphasis being laid upon the control of public milk supplies; ventilating, lighting, and heating; medical inspection of school children; water and its purification; disposal of sewage and garbage; and public health organization.

4. *Hygiene B.*

Junior year. Two hours a week during the second term.

This is a continuation of Hygiene A. An attempt is made to combine the principles of a seminar with those of laboratory and field instruction on the various subjects covered

in the lectures. Each student is assigned a topic upon which he makes a comprehensive report. The practical instruction in hygiene now included in the laboratory courses in bacteriology, chemistry, and physiology will be supplemented by further work by the student and by demonstrations in the laboratory of preventive medicine. The class will make visits to such places as are of sanitary interest in and near Galveston, such as the various city departments, the incinerator, the state and federal quarantine stations, the Houston sewage disposal plant, etc. Special lecturers will be invited from time to time to address the class on selected topics.

PATHOLOGY

HENRY CHARLES HARTMAN, M. D., *Professor of Pathology.*
FRED LEE STORY, B. S., M. D., *Instructor in Pathology.*
PAUL H. STREIT, *Assistant in Pathology.*
EARL DEAN CRUTCHFIELD, B. A., *Assistant in Pathology.*

1. *General and Special Pathology.*

Sophomore year. Three lectures or recitations and ten laboratory hours weekly for fourteen weeks.

The subjects covered in the lecture course include the causes of disease, the nomenclature of diseases, parasites, disorders of circulation, disorders of metabolism (both general and local), inflammation, infectious granulomata, tumors, and the special pathology of the circulatory and respiratory systems.

In the laboratory each student examines and makes drawings of about two hundred and fifty typical specimens. The mark of the student's drawing-book is a part of his final grade for the year.

2. *Special Pathology.*

Junior year. Two hours weekly throughout the session.

Didactic lectures and recitations upon the special lesions which affect the different organs and systems not covered in the sophomore year. The subjects are the special pathology of the digestive, genito-urinary and nervous systems.

3. Gross Morbid Anatomy.

Junior year. Two hours weekly throughout the session.

This course naturally falls into two parts. The first includes the methods and criteria of diagnosis from naked-eye inspection of diseased organs, and is illustrated by material derived from autopsies and museum specimens. This work occupies about half the year. The remainder is devoted to complete cases, all the organs being studied, both in the gross and microscopically, the different lesions correlated, and the clinical history reconstructed from the lesions. In this way all the student has learned of normal and pathological anatomy and of symptoms is brought to a focus.

4. Post-mortem Examinations.

Methods of autopsy-making are demonstrated to the students of the junior and senior classes, and the seniors are required to take part in practising them by turns. They are also taught how to draw up a correct protocol, with the gross and microscopic findings.

OBSTETRICS AND GYNECOLOGY

GEORGE HENDERSON LEE, M. D., *Professor of Obstetrics and Gynecology.*

WILLARD RICHARDSON COOKE, B. A., M. D., *Instructor in Gynecology.*

JESSE AUTREY FLAUTT, M. D., *Instructor in Obstetrics.*

1. Obstetrics.

Junior year. Two quizzes or lectures and one demonstration weekly throughout the session.

This course is devoted to the study of normal obstetrics, including the anatomy of the pelvis and female organs of generation; the development of the ovum and fetus; the physiology of pregnancy; the mechanism and management of labor; the puerperium and the care of the new-born; twin pregnancy; the surgery of obstetrics. The course is illustrated and made practical by the use of charts, specimens, and manikins.

2. *Obstetrics.*

Senior year. Two quizzes or lectures and one demonstration weekly throughout the session.

This course includes the study of the pathology of pregnancy; the pathology of labor; dystocia; the deformities of the pelvis; the pathology of the puerperium. Cases of labor are assigned to members of the senior class, under the supervision of the instructor in obstetrics, in the obstetrical wards of the John Sealy Hospital and in the obstetrical outdoor service of the same. Practical clinical instruction is thus given as opportunity offers.

3. *Gynecology.*

A. Junior year. One lecture weekly throughout the session.

Sections of the class attend clinics five hours each week for one term.

B. Senior year. One lecture and five clinic hours each week during the session.

This course covers in a general way the field of gynecology and includes clinical instruction in the diagnosis and treatment of the diseases peculiar to women. A student is assigned to each case in the wards and is required to make examinations and a diagnosis; to assist in operation or treatment and to make reports covering the case up to the time of discharge. By this system opportunity is afforded for each student to receive individual instruction and to acquire practical knowledge of gynecological examinations.

4. *Outdoor Clinics.*

Senior year. One hour daily for nine weeks.

The class is divided into small sections for attendance upon the outdoor clinics, and each member attends the gynecological clinics during one-third of the session. Opportunity is afforded for examining patients, and practical instruction is given in the diagnosis and treatment of diseases of women.

PRACTICE OF MEDICINE

MARVIN LEE GRAVES, M. A., M. D., *Professor of Medicine.*
ALLEN GEORGE HEARD, M. D., *Adjunct Professor of Pediatrics and Medicine.*
HERBERT LEE MCNEIL, B. A., M. D., *Instructor in Medicine and Clinical Pathology.*
W. BOYD READING, M. D., *Instructor in Clinical Medicine.*
CHARLES TURNER STONE, B. A., M. D., *Instructor in Clinical Medicine.*
MOISE D. LEVY, M. D., *Instructor in Clinical Pathology.*

The instruction in the practice of medicine extends throughout the third and fourth years, and is designed to equip the student with a thorough knowledge of the various diseases of internal medicine, including especially modern laboratory and clinical methods of diagnosis and the most practical and approved modes of treatment. Physical diagnosis is taught by practical instruction in the second year (see page 42).

JUNIOR YEAR

1. *Systematic Lectures.*

   Two hours each week throughout the session.

   This course covers one-half of the field of internal medicine, and includes the constitutional diseases, affections of the gastro-intestinal canal and its appendages, respiratory diseases, disorders of the renal system, cardiac and circulatory diseases, and diseases of the blood and of the ductless glands.

2. *Ward Classes.*

   Two hours a week for each student throughout the session.

   The class is divided into small sections for bedside instruction, so that each student receives personal instruction in the examination of patients.

3. *Clinical Pathology.*

   (a) Junior year. Nine hours a week for ten weeks.

   The laboratory of clinical medicine is well equipped with

microscopes, apparatus, and chemical supplies, and an abundance of material is available from the wards and the out-patient department of the hospital. Examinations are made of the blood, sputum, urine, feces, gastric contents, exudations, transudates, etc. Individual examinations by each student familiarize him with the technic and the significance of exhibits in normal and pathological conditions.

(b) Elective course. Senior year. Three hours weekly for one-third of the session.

A special course in the laboratory may be taken by a limited number of students who desire to do advanced work in clinical diagnosis. This will include practical laboratory methods, such as Wasserman's reaction, Noguchi's leutin reaction, gonococcus fixation, Widal's reaction, blood cultures, gastric and duodenal analysis, spinal fluid examinations, etc. This course is designed to equip students for advanced work, and to stimulate research in special fields of internal medicine.

4. Clinical Lectures.

Two hours a week throughout the session are devoted to the exhibition and discussion before the class of the clinical features of diseases from the medical wards of the hospital.

SENIOR YEAR

5. Systematic Lectures.

Two hours a week throughout the session.

This course is devoted to those subjects of internal medicine not covered in the junior year. It embraces infectious diseases, animal parasitic diseases, intoxication, etc.

6. Clinical Lectures.

Two hours a week throughout the session.

Clinical lectures are given twice a week upon the cases which occur in the wards of the John Sealy Hospital. The extensive shipping interests of Galveston furnish exceptional advantages for clinical instruction in a wide range of diseases, and especially those which occur in subtropical countries.

7. *Ward Classes.*

Two hours a week throughout the session.

The class is divided into suitable sections, and the time is devoted to case-taking, bedside study, and clinical instruction. Students are assigned cases and required to write the history, examine the patient, make a diagnosis, and suggest treatment. Case records of patients assigned to students are carefully prepared in book-form. These are graded, and definite credit is given upon them in the examination in medicine.

8. *Laboratory of Clinical Medicine.*

The laboratory of clinical medicine is used by the members of the senior class in laboratory work upon the cases assigned to them in the medical wards and outdoor clinics.

The laboratory of clinical medicine is utilized for the examination, by the students, of the secretions, excretions, blood, etc., of these cases. The instructor in clinical pathology is present during these examinations, and proper supervision is exercised to insure accuracy and to point out the clinical significance of the findings. In this way the student realizes the full value of the clinical material and acquires a practical knowledge of the treatment of disease.

9. *Outdoor Clinics.*

Six hours weekly for nine weeks.

Under the direction of the instructor in clinical medicine, sections of the senior class attend the outdoor clinics one hour daily. The students elicit the history of cases, examine patients, and suggest treatment. A small laboratory in connection with the outdoor clinic enables the students to examine blood, urine, sputum, etc., for immediate diagnosis. Personal and direct contact with a variety of medical diseases is thus obtained, and valuable experience is secured.

SURGERY

JAMES EDWIN THOMPSON, B. S., M. B. (LOND.), F. R. C. S. (ENG.), *Professor of Surgery.*

ALBERT OLIN SINGLETON, B. S., M. D., *Lecturer on Genito-urinary Diseases and Instructor in Surgery.*

FREDERICK WORLEY AVES, M. D., *Instructor in Surgery.*

VIOLET HANNAH KEILLER, B. A., M. D., *Instructor in Surgical Pathology.*

1. *Bandaging and Minor Surgery.*

Sophomore year. Two lectures weekly for fourteen weeks.

This course is a very complete one, and aims at the thorough preparation of the student for the more advanced work of the third and fourth years. It consists of systematic lectures and clinical demonstrations in the hospital. The students are taught the essentials of asepsis and the preparation of dressings and ligatures. In addition, a short description of fractures, dislocations, and the uses of fixation apparatus is included in the course.

2. *Systematic Lectures.*

(*a*) Junior year. Two hours a week throughout the session.

These lectures cover the following ground: The surgical aspects of inflammation in all its varieties; wounds; local and constitutional infections; gangrene; surgical aspects of tuberculosis and syphilis; fractures; dislocations; diseases of joints; diseases of bone; injuries and diseases of muscles and tendons; injuries and diseases of bursae; injuries and diseases of the heart and blood-vessels; aneurisms; injuries and diseases of the lymphatic system; injuries and diseases of nerves.

(*b*) Senior year. Two hours a week throughout the session.

These lectures cover the following ground: Surgical pathology and treatment of neoplasms; injuries and diseases of the head, brain, face, neck, spinal column, and spinal cord; diseases of the tongue and mouth, jaws, œsophagus, and pharynx; diseases of the stomach and intestines, rectum, and anus; diseases of the breast; diseases of the kidney, ureter, bladder, prostate, urethra, and penis; diseases of the testicles; epididymis, vasa deferentia, and vesculæ seminales; hydrocele, hematocele; hernia in all situations; intestinal obstructions; diseases of the liver and gall bladder; diseases of the spleen; surgery of the chest and lungs.

3. *Lectures and Laboratory Instruction in Surgical Pathology.*

Junior year. Two hours a week during the entire session.

This course is given by the Department of Surgery, in the

laboratory of pathology, in order to correlate the clinical aspect of surgical diseases with the pathologic condition. The gross and microscopic appearances of diseased tissues and tumors removed in the surgical clinics are studied in connection with a discussion of similar specimens from the museum.

4. Ward Classes.

Junior year. Six hours a week during one-third of the session.

Here the student is instructed in bandaging and surgical dressings; in the methods of examining cases and taking surgical histories; and in following the course of cases after operation.

5. Operative Clinics.

(*a*) Junior year. Six hours weekly throughout the session.

(*b*) Senior year. Six hours weekly throughout the session.

These clinics are held in the John Sealy Hospital every Monday, Wednesday, and Friday, from 9 to 11 a. m. Fourth-year students are required, in rotation, to assist the surgical staff, in order that they may acquire a practical knowledge of the methods in use.

6. Operative Surgery.

A. Senior year. Two hours weekly during the entire session.

This course consists of demonstrations on the cadaver. Each student, in turn, performs the operations previously described by the teacher. The course is very complete, and covers, as far as possible, the whole ground of operative surgery. When necessary the class is divided into sections, in order that each individual student may acquire as much experience as possible.

It is the aim of this course to treat operative surgery from a purely anatomical point of view, and the anatomy of each surgical region is thoroughly taught.

B. An elective course in advanced operative surgery.

This will be open to volunteers from the senior class who show special aptitude for the practice of surgery. The fundamental principles of surgery will be applied to research problems. The hours will be arranged at the opening of the session.

7. *Out-patient Department.*

Senior year. Sections. Six hours weekly for nine weeks. Surgical teaching under the care of the instructor in surgery is carried on every day except Sunday from 12 to 1 p. m. In this department the students come in close contact with the cases, and are allowed to conduct the treatment as far as advisable.

DISEASES OF CHILDREN

Allen George Heard, M. D., *Adjunct Professor of Pediatrics.*

Senior year. One recitation each week throughout the session. For the didactic instruction recitations are used instead of lectures. The students are required to prepare themselves upon an assigned subject from a standard text-book. They are then quizzed on this, and further explanations are given, or illustrative cases described, when necessary.

Clinical instruction in the important diseases of infancy and childhood is given at the John Sealy Hospital during the junior and senior years in the ward classes in clinical medicine. The outdoor clinics also furnish a great variety of cases for this instruction.

The subject of infant feeding is supplemented by a laboratory course. The class is divided into small sections so that each individual has the opportunity of doing the practical work in preparing various modifications of milk for different conditions, pasteurization, etc. The composition of infant foods is also studied in this way.

OPHTHALMOLOGY AND OTOLOGY

Seth Mabry Morris, B. S., M. D., *Professor of Ophthalmology, Otology, Rhinology, and Laryngology.*

Walter P. Breath, M. D., *Lecturer on Otology, Rhinology, and Laryngology.*

1. Ophthalmology.

Senior year. One lecture and two clinics weekly throughout the session.

The lectures embrace the following topics: anatomy and physiology of the eye, external diseases, fundus lesions and their relationship to general diseases. The students are given practical instruction in the use of the ophthalmoscope, and are thus afforded every opportunity of acquiring a working knowledge of this instrument.

There are given in the clinics practical demonstrations of the methods of estimating refraction and testing muscular unbalance. Operations are performed before the class.

2. Otology, Rhinology, and Laryngology.

Senior year. One lecture and two clinics weekly throughout the session.

The lectures are devoted to the special anatomy and the physiology of the ear, nose, and throat; the methods of examining these parts; and the different diseases to which they are subject.

In the out-patient department, the students have opportunity of acquiring a thorough knowledge of the normal appearance of the parts, and are able to follow the course and treatment of diseased conditions. They receive personal instruction in handling the various instruments used for examination and treatment. Operations are performed before the class.

DERMATOLOGY AND GENITO-URINARY DISEASES

ALBERT OLIN SINGLETON, B. S., M. D., *Lecturer on Dermatology and Genito-urinary Diseases.*

1. Genito-urinary Diseases.

Junior year. One hour weekly throughout the session.

A systematic course on this subject is given by lectures during the junior year. Cases are also presented as they occur in the surgical clinics throughout the third and fourth years. The surgical outdoor clinic furnishes an abundance of cases for teaching this subject in a practical way to the members of the senior class.

2. *Dermatology.*

Senior year. One lecture each week during the entire session; six hours weekly for nine weeks in outdoor clinics.

The importance to the student of obtaining a thorough knowledge of skin diseases can hardly be overestimated. The frequency with which they are encountered in general practice, and the intimate relations they sustain to diseases of other organs, make the study both important and interesting. Special attention is given to the common diseases of the skin and to the pathology of the elementary skin lesions. When practicable the lectures are clinical, and when cases are not available, dermochromes are used to illustrate the different forms of disease.

MEDICAL JURISPRUDENCE

David Henry Lawrence,* Ph. G., M. D., *Associate Professor of Medical Jurisprudence.*

Dick P. Wall, M. D., *Lecturer on Medical Jurisprudence.*

Senior year. Two lectures a week for nineteen weeks.

This course attempts to cover the subject of legal medicine as follows: The physician's liability for malpractice; relation of physician to patient; medico-legal inspection; violent death; rape; criminal abortion; infanticide; life insurance; malingering; death from the different poisons; corpus delicti; examination of blood stains; hypnotism; and insanity.

It is incumbent upon every physician to have some knowledge of the subject of legal medicine, as every physician, at some time during his professional career, is called upon to give testimony before the courts, and it behooves every young practitioner to appear in court when called upon. He should know, therefore, what the commonwealth expects and has a right to demand of him as a physician, and he should also know his own rights as a medical expert.

*Absent on leave during the session of 1915-1916.

PHYSICAL DIAGNOSIS

EDWARD RANDALL, M. D., *Lecturer on Physical Diagnosis.*
ALLEN G. HEARD, M. D., *Adjunct Professor of Medicine.*

Sophomore year. Six hours weekly for seven weeks.

This course in physical diagnosis grounds the student in the normal physical signs of the human body. The alterations in these signs in diseased states are also explained and demonstrated. Each student is thus prepared for the clinical studies in the third and fourth years of the curriculum.

The teaching in physical diagnosis is thoroughly practical, and for this purpose the class is divided into small sections, so that each student has the advantage of individual instruction. A brief explanatory talk is given at the beginning of each exercise by the lecturer, the remainder of the time being devoted to the examination of patients in the hospital by the students under the direction of the lecturer and the instructor.

PHARMACY

RAOUL RENE DANIEL CLINE, PH. G., M. D., *Lecturer on Pharmacy in the School of Medicine.*

Freshman year. Sections. Four hours weekly for one-half of the session.

This course is given by practical exercises in the laboratory of pharmacy, and in order that each individual may receive personal instruction and make all the preparations, the class is divided into sections.

The students make those pharmaceutical preparations which are commonly used in the practice of medicine. They are taught how to purify drugs; how to combine them without making them unsightly and unpalatable; how to remove substances which cause irritation and nausea, retard absorption, or impart disagreeable odors. The deterioration of drugs is also carefully considered. In handling the phar-

maceuticals and chemicals the students become familiar with the various properties of drugs, their incompatibilities, their solubility in different menstrua, and the best methods of administering them.

The following preparations are made during the course: medicated waters, liquors, elixirs, syrups, spirits, tinctures, pills, tablets, suppositories, collodions, and ointments.

The latter part of the course is devoted to reading and criticising actual prescriptions. Students are required to write prescriptions for hypothetical conditions, special attention being directed to doses, incompatibilities, and the best way of giving the more important drugs in common use. The prescriptions are not only discussed from these standpoints, but it is pointed out how they may be made more palatable and less irritating, and how the unpleasant effects of the drugs may be avoided.

MENTAL AND NERVOUS DISEASES

MARVIN LEE GRAVES, M. A., M. D., *Lecturer on Nervous and Mental Diseases.*

Junior and senior years. One lecture and one clinic weekly throughout the session.

The more important and practical phases of the subjects are covered in didactic and clinical lectures. Illustrative cases are presented, examined, and discussed. The organic and functional psychoses and all the ordinary organic and functional diseases of the nervous system are treated. The practical application of electricity for diagnosis and treatment is taught. Students are instructed in morbid sensory and motor manifestations, the disordered reflexes, the disturbances of the special senses, speech, etc. The wards and out-patient department of the John Sealy Hospital and other sources afford an abundant supply of clinical material for these purposes.

SUMMARY OF HOURS DEVOTED TO EACH SUBJECT IN THE SCHOOL OF MEDICINE

	First Year		Second Year		Third Year				Fourth Year				Total				
	Lectures and Recitations	Laboratory	Lectures and Recitations	Laboratory	Lectures and Recitations	Laboratory	Clinics	Ward Classes	Lectures and Recitations	Laboratory	Clinics	Ward Classes and Dispensary	Lectures and Recitations	Laboratory	Clinics	Ward Classes and Dispensaries	Total for Course
Anatomy		280		280										672			672
Surgical Anatomy						112											
Physiology	28	56	70	140									98	196			294
Materia Medica	42												42				42
Organic Chemistry	56												56				56
Biological Chemistry	56	112											56	112			168
Histology	56	224											56	224			280
Embryology		56												56			56
Pathology			42	140	56	56							98	196			294
Bacteriology			42	161									42	161			203
Pharmacology			56	56									56	56			112
Hygiene					28								28				28
Therapeutics					56								56				56
Pharmacy		28												28			28
Physical Diagnosis				42										42			42
Medicine					56	81	56	56	56	56	56	126	112	137	112	182	543
Surgery			28		84	56	168	56	56	56	168	42	168	112	336	98	714
Obstetrics					56	28			56	28			112	56			168
Gynecology					28		45		28		140	42	56		185	42	283
Nervous and Mental Diseases					28		28		28		28		56		56		112
Diseases of the Eye									28		56		28		56		84
Diseases of the Ear, Nose, and Throat									28		56		28		56		84
Dermatology					28				28				56				56
Pediatrics					28				28				56				56
Medical Jurisprudence									38				38				38
Total	994		1057		1170				1228				1228	2048	801	322	4396

ISABELLA H. BRACKENRIDGE SCHOLARSHIP

In order to promote professional education among worthy and ambitious women, a scholarship open to women students in the Medical Department of the University of Texas was founded in 1903 by Mr. George W. Brackenridge, of San Antonio, to be known as the Isabella H. Brackenridge Scholarship. The holder is entitled to the sum of $240, payable in installments of $30 at the end of each of the eight months of the scholastic year. This scholarship has been permanently endowed by bonds of the value of $5000, deposited with the state treasurer, the yearly income from these bonds being sufficient for the maintenance of the scholarship.

This scholarship is awarded to that woman of the School of Medicine above the freshman class who shall have attained, in the previous session of the school, the highest general average in the course of study, provided that this general average be not less than eighty-five per cent, and that the grade for the session in any one subject be not less than seventy per cent. When this scholarship is once awarded to any person for any year, such person is entitled to the same for each successive year she is a student in the School of Medicine, provided she maintains the average grades named above. In case the holder shall fall below the average standing of her class, or for any reason shall terminate her connection with the school, the monthly payments shall cease.

This scholarship is awarded at the end of each session to the person designated by the Dean of the Medical Faculty. For the session of 1915-1916, it is held by Elfrieda C. Schaefer, Ph. G., B. A.

BRACKENRIDGE LOAN FUND

With a view to aiding women students who possess ability and seriousness of purpose but who need financial assistance, a loan fund has been established by Mr. George W. Brackenridge, of San Antonio. Of the loans available nine may be held by women students in the School of Medicine. The maximum amount granted to any one person for any session is

$240, payable in eight monthly installments. All beneficiaries of the loan fund will be expected to return the amount borrowed as soon as their circumstances permit them to do so. Until repayment of the principal, interest will be charged at the rate of four per cent per annum, payable annually. The loans are made by a committee appointed by the founder of the fund. Applications for loans from this fund should be made to the dean of the Medical Department.

JOHN SEALY HOSPITAL

STAFF

Board of Managers

Dr. Edward Randall, President; Dr. M. L. Graves, Vice-President; John Sealy, A. P. Norman, Dr. H. O. Sappington.

Visiting Staff

Physician and Neurologist.....Dr. Marvin L. Graves
Surgeon.....Dr. J. E. Thompson
Obstetrician and Gynecologist.....Dr. George H. Lee
Pathologist.....Dr. Henry C. Hartman
Dermatologist and Assistant Surgeon.....Dr. A. O. Singleton
Ophthalmologist and Aurist.....Dr. Seth M. Morris
Pediatrist and Assistant Physician.....Dr. Allen G. Heard
Assistant Surgeon.....Dr. F. W. Aves
Assistant Obstetrician.....Dr. J. A. Flautt
Assistant Gynecologist.....Dr. W. R. Cooke
Assistant Physician.....Dr. H. L. McNeil
Assistant Physician.....Dr. W. Boyd Reading
Assistant Physician and Registrar.....Dr. C. T. Stone

Superintendent

Clara Lincoln Shackford

Resident Staff

Jos. Kopecky
W. M. Warren
T. R. Lutner
S. A. McConnell
M. A. Ramsdell
T. W. Hedrick

Clinical Pathologist

Dr. Moise D. Levy

Roentgenologist

Dr. E. V. Powell

Staff for Outdoor Clinics

Chief of Surgical Clinic.....F. W. Aves, M. D.
Chief of Obstetrical and Gynecological Clinic. J. A. Flautt, M. D.
Chief of Medical Clinic.....W. Boyd Reading, M. D.
Chief of Obstetrical and Gynecological Clinic..W. R. Cooke, M. D.
Chief of Clinic of Ophthalmology.....S. M. Morris, M. D.
Chief of Ear, Nose and Throat Clinic.....W. P. Breath, M. D.
Chief of Pediatric Clinic.....Allen G. Heard, M. D.

Apothecary

W. E. Huddleston

Superintendent of School of Nursing

Ethel D'Arcy Clay, R. N.

HISTORY AND DESCRIPTION

"It being represented to the citizens of Galveston, and to the people of the state of Texas, that John Sealy, late of the city of Galveston, departed this life in the month of August, 1884, inspired with a generous and philanthropic motive and possessed of a large real and personal estate, of which by his bequest he devoted $75,000 to the establishment of a hospital in said city, naming for the purpose the city council of the city of Galveston and the regents of the University of Texas,

jointly, for and in behalf of the Medical Department of said University, to manage and conduct the same for the reception and relief of sick and diseased persons; the property of said hospital shall be exempt from taxation, and shall be entitled to the benefits and provisions of the law relative to charitable institutions.

"The regents may take and hold any additional donations, grants, devices, and bequests in further support of, or addition to, said hospital.

"The direction, ownership, and disposition of said hospital shall be vested in said regents and their successors, for the object and purposes heretofore set forth, and pursuant to the wishes and directions of the last will and testament of its founder aforesaid."

The John Sealy Hospital, comprising a group of five buildings in addition to the main building, occupies a block of ground between Eighth and Ninth Streets, and between Avenues A and B, contiguous to the block occupied by the College Building.

In addition to the original bequest for the foundation of the hospital, the heirs of the late John Sealy have, from time to time, very generously contributed for its repair and improvement a sum aggregating more than $180,000, and have recently erected and furnished at a cost of more than $100,000 a new four-story fireproof building, about one-half of the size of the main hospital, which provides additional wards for women patients. This has increased the number of patients considerably, and affords better facilities for clinical teaching.

The entire institution, including the Nurses' Home and the five hospital buildings, is heated by steam and lighted by electricity. The wards and rooms are large and airy, having been built with special reference to the comfort of the sick in the prevailing warm seasons of this climate.

The upper floor of the central part of the main hospital building is occupied by a clinical theater, together with a sterilizing room, preparation rooms, dressing rooms, etc. Clinics are held here every week day throughout the session. By a private benefaction this portion of the hospital has recently been completely remodeled and fitted up with all the facilities of a modern surgical operating room.

A two-story brick building, accommodating about fifty beds, in two large wards, with several private rooms, has been erected on the north side of the hospital lot for the accommodation of colored patients. This building was completed in 1901, and its construction was made possible by a public benefaction amounting to $18,500.

On the west side of the block occupied by the hospital a reinforced concrete building has been erected for children. This building has two commodious wards with wide galleries and several private rooms. It provides all the necessary hospital accommodations for the care of twenty-three children.

The University has acquired for hospital purposes all the ground intervening between the original hospital block and the sea-wall. On the extreme north end of this plot of ground a substantial building of reinforced concrete has been constructed as an isolation pavilion for contagious diseases. This building provides suitable accommodations for twenty-five or more patients, with facilities for isolating by sexes, races, and diseases.

A new four-story building has recently been erected to the east of the main hospital by Mrs. R. Waverley Smith and her brother, Mr. John Sealy. This building provides several wards for women patients, a number of private rooms, an operating room, and an open air pavilion.

At the present time extensive alterations and improvements, including the enlargement by the addition of another story, are being made to the main hospital building by Mr. John Sealy.

The University has recently completed a new three-story, fireproof home to accommodate sixty nurses. This building has been named the Rebecca Sealy Nurses' Home in recognition of Mrs. Rebecca Sealy's interest and generosity in establishing and maintaining the training school for nurses before this became the School of Nursing of the University.

The hospital is leased to the city of Galveston for a period of twenty-five years by the University of Texas at a nominal rental, with the agreement that the visiting staff to the hospital shall be designated by the regents of the University from the medical faculty. The lease provides that the John Sealy Hospital is to be used as a medical college hospital in connection

with the Medical Department of the University of Texas, and that the wards, clinics, theater, etc., of the institution are to be used by the staff for giving clinical instruction to medical students.

The city of Galveston maintains the John Sealy Hospital as a city hospital for the free treatment of the indigent sick and disabled, by an annual appropriation of $46,000. The income derived from private rooms is an additional source of revenue.

There are few hospitals in which the patients can be utilized so fully for bedside and clinical instruction as in the John Sealy Hospital. The only limitations are the welfare and comfort of the patients. Without detracting in any way from the benefits derived by the patients from hospital treatment, the students are enabled to profit by the very exceptional clinical advantages.

The hospital has 225 beds in public wards, and this number will be increased upon the completion of the improvements which are being made at the present time. During the year 1915 there were 2946 patients treated in the wards, the average number of indoor patients for each day during the year being 186. In the dispensaries, or outdoor clinics, there were 7048 new cases and 8841 old cases; the average number of outdoor patients treated each day was 52.

The resident staff of the hospital is appointed annually from the graduating class. The nursing is done by the students of the School of Nursing under the direction of the instructor in nursing.

Galveston is the foremost port in this country for the exportation of cotton, and is one of the most important seaport cities of the Southern states. Her shipping interests, already large, are growing rapidly. With this growth the number of hospital cases available for teaching purposes has increased correspondingly. For 1901 the average daily number of indoor patients in the John Sealy Hospital was 49; for 1905, the average number of patients for each day was 98; for the years 1911 to 1915, inclusive, the average daily number of indoor patients was 124, 128, 132, 166, and 186, respectively.

The character of the population from which the hospital wards are filled assures a great variety of medical affections,

while the numerous railroad and steamship lines which converge at this point furnish an abundance of surgical cases.

The work of the hospital has increased so rapidly in the last few years that it is impossible to give here a detailed statement of the diseases treated in the various departments.

The following condensed report of the number of patients treated in the indoor and outdoor departments of the hospital and the number of operations performed from January 1, 1915, to January 1, 1916, will serve to show the excellent opportunities for clinical teaching in this school.

SUMMARY OF PATIENTS TREATED IN JOHN SEALY HOSPITAL FOR 1915

Total number of patients in medical service	1,030
Total number of patients in mental and nervous service	101
Total number of patients in pediatric service	200
Total number of patients in surgical service	1,028
Total number of patients in gynecological service	333
Total number of patients in obstetrical service	205
Total number of babies born in the hospital	135
Total number of patients in eye, ear, nose, and throat service	49
Total number of indoor patients in hospital	3,085
Total number of hospital days	67,949
Average number of hospital days for each patient	23
Average number of daily indoor patients in hospital	186
Total number of patients treated in outdoor clinic	7,048
Total consultations in outdoor clinic	15,880
Average daily number of patients in outdoor clinic	52
Number of patients delivered in outdoor obstetrical service	25
Number of patients delivered in indoor obstetrical service	139
Total number of patients operated upon in surgical service	525
Total number of patients operated upon in gynecological service	312
Total number of patients operated upon in eye, ear, nose, and throat service	109
Total number of deaths in all services	264
Total number of autopsies held	102
Examinations made by laboratory of roentgenology	585
Treatments made by laboratory of roentgenology	34

SUMMARY OF OUTDOOR CLINICS

Service.	New Cases	Old Cases	Total
Medical	2332	1159	3491
Pediatric	888	700	1588
Surgical	2132	5498	7630
Gynecological	1015	522	1537
Special	681	962	1643
Total	7048	8841	15889

ROSTER OF THE SCHOOL OF MEDICINE, 1916-1917

FRESHMAN CLASS: FIRST TERM

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8 a. m.	Histology		Histology			
9 a. m.	Anatomy A	Anatomy A	Anatomy A	Anatomy A	Anatomy A	
10 a. m.	Histology B	Histology B	Histology B	Histology B	Histology B	
11 a. m.	Anatomy B	Anatomy B	Anatomy B	Anatomy B	Anatomy B	Laboratory of Pharmacy
12 m.	Histology A	Histology A	Histology A	Histology A	Histology A	
2 p. m.					Laboratory of Pharmacy	
3 p. m.	Organic Chemistry	Organic Chemistry	Organic Chemistry	Organic Chemistry		
4 p. m.			Materia Medica	Materia Medica	Materia Medica	
5 p. m.						

ROSTER OF SCHOOL OF MEDICINE, 1916-1917

FRESHMAN CLASS: SECOND TERM

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8 a. m.	Histology		Histology			
9 a. m.	Anatomy B	Anatomy A	Anatomy B	Anatomy A	Anatomy B	Laboratory of
10 a. m.	Histology A	Histology B	Histology A	Histology B	Histology A	Biological Chemistry
11 a. m.	Anatomy A	Anatomy B	Anatomy A	Anatomy B	Anatomy A	
12 m.	Embryology B	Embryology A	Embryology B	Embryology A	Histology B	
2 p. m.	Laboratory of	Laboratory of	Laboratory of	Laboratory of	Laboratory of	
3 p. m.	Physiology	Physiology	Biological Chemistry	Biological Chemistry	Biological Chemistry	
4 p. m.	Physiology	Physiology	Biological Chemistry	Biological Chemistry	Biological Chemistry	
5 p. m.		Biological Chemistry				

ROSTER OF THE SCHOOL OF MEDICINE, 1916-1917

SOPHOMORE CLASS: FIRST TERM

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9 a. m.	Anatomy A	Anatomy A	Anatomy A	Anatomy A	Anatomy A	Bacteriology
10 a. m.	Physiology B	Physiology B	Physiology B	Physiology B	Physiology B	
11 a. m.	Anatomy B	Anatomy B	Anatomy B	Anatomy B	Anatomy B	Bacteriology (seven weeks for each section)
12 m.	Physiology A	Physiology A	Physiology A	Physiology A	Physiology A	
2 p. m.	Bacteriology (7 weeks)	Bacteriology (7 weeks)	Physical Diagnosis (2-4 p. m.)	Physical Diagnosis (2-4 p. m.)	Physical Diagnosis (2-4 p. m.)	
3 p. m.			Bacteriology (7 weeks each)	Bacteriology (7 weeks each)	Bacteriology (7 weeks each)	
4 p. m.	Therapeutics	Therapeutics	Physiology			
5 p. m.	Physiology	Physiology	Bacteriology	Physiology	Physiology	

ROSTER OF THE SCHOOL OF MEDICINE, 1916-1917

SOPHOMORE CLASS: SECOND TERM

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9 a. m.	Anatomy A	Anatomy A	Anatomy A	Anatomy A	Anatomy A	Pathology
10 a. m.	Pathology B	Pathology B	Pathology B	Pathology B	Pathology B	
11 a. m.	Anatomy B	Anatomy B	Anatomy B	Anatomy B	Anatomy B	Bacteriology B (9 weeks)
12 m.	Pathology A	Pathology A	Pathology A	Pathology A	Pathology A	Pharmacodynamics A
2 p. m.	Bacteriology (9 weeks).	Bacteriology (9 weeks)	Bacteriology A (9 weeks)	Bacteriology A (9 weeks)	Bacteriology B (9 weeks)	
3 p. m.			Pharmacodynamics B	Pharmacodynamics B	Pharmacodynamics A	
4 p. m.	Therapeutics	Therapeutics	Minor Surgery	Pathology	Minor Surgery	
5 p. m.	Bacteriology	Pathology	Pathology	Bacteriology		

ROSTER OF THE SCHOOL OF MEDICINE, 1916-1917

JUNIOR CLASS

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8 a. m.	Surgical Pathology	Dermatology	Ophthalmology	Diseases of Ear, Nose, and Throat		Laboratory of Surigcal Pathology
9 a. m.	Surgical Clinic	Medical Clinic	Surgical Clinic	Medical Clinic	Surgical Clinic	
10 a. m.		Lab. Clin. Med., Surgical Ward Class, Gynecological Clinic 1 Section each		Lab. Clin. Med., Surgical Ward Class; Gynecological Clinic 1 Section each		Medical Ward Class, Surgical Ward Class. Lab. Clin. Med., 1 Section each
11 a. m.	Special Pathology		Lab. of Pathology, first term; Surgical Anatomy, second term		Medicine	
12 m.	Hygiene			Gynecology	Lab. of Pathology	
2 p. m.	Medical Ward Class	Nervous and Mental Diseases	Clinical Pathology	Nervous Diseases Clinic	Surgical Anatomy	
3 p. m.	Genito-urinary Diseases	Surgery	Medicine	Surgery		
4 p. m.	Therapeutics	Therapeutics	Medical Ward Class	Medical Ward Class		
5 p. m.	Demonstration in Obstetrics	Hygiene	Obstetrics	Obstetrics	Special Pathology	

ROSTER OF THE SCHOOL OF MEDICINE, 1916-1917

SENIOR CLASS

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8 a. m.	Medical Jurisprudence, first two-thirds of term	Dermatology	Ophthalmology	Diseases of Ear, Nose, and Throat	Medical Jurisprudence, first two-thirds of term	Case Taking (Medical Ward) and Laboratory of Clinical Medicine
9 a. m.	Operative Surgical Clinic	Medical Clinic	Operative Surgical Clinic	Medical Clinic	Operative Surgical Clinic	
10 a. m.		Gynecological Clinic		Gynecological Clinic		Operative Gynecological Clinic
11 a. m.			Gynecology	Case Taking (Medical Ward)	Medicine	
12 m.	Outdoor Clinics	Outdoor Clinics	Outdoor Clinics	Outdoor Clinics	Outdoor Clinics	Outdoor Clinics
2 p. m.	Clinic in Otology, etc.	Nervous and Mental Diseases	Clinic in Ophthalmology	Nervous Diseases Clinic	Clinic in Ophthalmology	
3 p. m.	Medical Ward Class	Medical Ward Class	Medicine	Pediatrics	Operative Surgery	
4 p. m.		Surgery		Surgery		
5 p. m.	Obstetrics	Obstetrics	Demonstration in Obstetrics	Clinic in Otology, etc.		

SCHOOL OF MEDICINE: SPECIAL ROSTER FOR CLASS SECTIONS, 1916-1917

THE FRESHMAN CLASS is divided into two sections (A and B) for practical work in the laboratory of anatomy and in the laboratory of histology and embryology. Each section attends periods of two hours in these laboratories, as shown by the major roster.

THE SOPHOMORE CLASS is divided into two sections (A and B) for practical teaching in the laboratories. The major roster shows the arrangement for work in the laboratories of anatomy, pathology, and physiology. For laboratory exercises in bacteriology, physical diagnosis, and pharmaco-dynamics, the following special roster will be followed:

SECTION A			SECTION B		
Bacteriology	Physical Diagnosis	Pharmaco-dynamics	Bacteriology	Physical Diagnosis	Pharmaco-dynamics
Mon. to Sat., incl., Oct. 3 to Nov. 21, 1916	Wed., Thurs., and Fri., 2-4 p. m., Nov. 22, 1916, to Jan. 20, 1917	Friday and Sat., Feb. 2 to May 10, 1917	Mon. to Sat., incl., Nov. 21, 1916, to Jan. 20, 1917	Wed., Thurs., and Fri., Oct. 3 to Nov. 21, 1916	Wed. and Thurs., Feb. 2 to May 10, 1917

THE JUNIOR CLASS is divided into three sections (A, B, and C) for instruction in the laboratory of clinical medicine and surgical ward classes. When not thus engaged, the members of the class attend clinics in gynecology, as shown by the major roster. The following special roster will be followed:

DEPARTMENT	October 3 to December 5, 1916	December 6, 1916, to March 1, 1917	March 3 to May 8, 1917
Lab. Clinical Medicine, Tues., Thurs., and Sat.	A	B	C
Surgical Ward Classes, Tuesdays, Thursdays, and Saturdays	B	C	A

THE SENIOR CLASS is divided into three sections (A, B, and C) for work in the three departments of the outdoor clinics from 12 to 1 p. m. daily, except Sundays, as shown in the subjoined roster:

DEPARTMENT OF	October 3 to December 5, 1916	December 6, 1916, to March 1, 1917	March 3 to May 9, 1917
Medicine	A	C	B
Surgery	B	A	C
Gynecology	C	B	A

TEXT-BOOKS

First Year

Anatomy: Cunningham's *Text-book of Anatomy* ($6.00); Cunningham's *Dissector's Guide* ($5.00).

Physiology: Howell's *Text-book* ($4.00); Stewart's *Manual of Physiology* (7th ed.) ($4.00); Beddard, Elkins, Hill, Macleod, and Pembrey's *Practical Physiology* ($5.00).

Materia Medica and Therapeutics: Cushny's *Pharmacology and Therapeutics* ($3.75); Bastedo's *Materia Medica, Pharmacology, and Therapeutics* ($3.50); *United States Pharmacopeia* ($2.50); Thornton's *Prescription Writing* ($1.25).

Chemistry: Hammersten's *Physiological Chemistry*, translated by Mandel ($4.00); Remsen's *Organic Chemistry* ($1.20); Hawk's *Practical Physiological Chemistry* ($2.50); Autenrieth and Warren's *Detection of Poisons* ($2.00).

Histology: Piersol ($3.50); Böhm, Davidhoff, and Huber ($3.50); Bailey ($3.00).

Lexicon: Gould's *Practitioners'* ($2.75); Dorland ($4.50); Thomas ($3.00); Gould's *Illustrated* ($10.00).

Embryology: Bailey and Miller ($4.50); Heisler ($2.50); Prentis ($3.75).

Second Year

Anatomy: Same as above.

Physiology: Howell ($4.00); Stewart ($5.00); Tigerstedt ($4.00); Ott ($3.00); Starling ($5.00); Lusk's *The Science of Nutrition* ($1.75); Beddard's *Practical Physiology* ($5.00).

Therapeutics: Same as in first year.

Surgery: Wharton's *Manual of Minor Surgery* ($3.00).

Pathology: Adami's *General Pathology* ($6.00); Delafield and Prudden's *Pathology* ($6.00); Mallory's *Pathologic Histology* ($5.50); Mallory and Wright's *Pathologic Technique* ($3.00).

Bacteriology: Park and Williams' *Pathogenic Microorganisms* ($4.00); Hiss and Zinsser's *Bacteriology* ($3.75); Jordan's *General Bacteriology* ($3.00); McFarland's *Pathogenic Bacteria and Protozoa* ($3.50); Citron's *Immunity* ($3.50); Kolmer's

Infection, Immunity, and Specific Therapy ($6.00); Ricketts and Dick's *Infection, Immunity and Serum Therapy* ($2.00).

Lexicon: Same as in first year.

Third and Fourth Years

Anatomy: Treves's *Surgical Applied Anatomy* ($2.00); Davis's *Applied Anatomy* ($6.00).

Therapeutics: Cushing ($3.75); Bastedo ($3.50); Hare's *Practical Therapeutics.*

Dietetics: Hutchison ($5.00); Yeo ($2.50); Thompson ($5.00).

Practice of Medicine: Osler ($5.50); Tyson & Fussell (6th ed.) ($5.50); Strümpell ($6.00); Anders ($5.50); Hare ($6.50); Manson's *Tropical Diseases* ($5.00); McKenzie's *Diseases of the Heart* ($9.00); Kemp's *Diseases of the Stomach, Intestines and Pancreas* ($6.50); Cabot's *Physical Diagnosis* ($2.50); Butler's *Diagnostics of Internal Medicine* ($6.00); Musser's *Medical Diagnosis* ($6.50); DaCosta's *Physical Diagnosis* ($3.50); Emerson's *Clinical Diagnosis* ($5.00); Wood's *Chemical and Microscopical Diagnoses;* Simon's *Clinical Diagnosis* ($4.00); Webster's *Diagnostic Methods* ($4.50).

Surgery: Rose and Carless' *Manual of Surgery* ($5.00); DaCosta's *Modern Surgery* ($5.00); Treves' *Student's Handbook of Surgical Operations* ($2.50); Binnie's *Operative Surgery* ($7.00); Bowlby's *Surgical Pathology* ($2.00); Mummery's *The After-treatment of Surgical Operations* ($2.00).

Gynecology: Findley ($6.00); Crossen ($6.00); Ashton ($6.00); Montgomery ($6.00); Kelly ($15.00).

Obstetrics: Williams's *Obstetrics* ($6.00); De Lee's *Obstetrics* ($8.00); Edgar's *Practice of Obstetrics* ($6.00); Hirst's *Text-book of Obstetrics* ($5.00).

Pathology: Same as in second year; Delafield and Prudden's *Pathology* ($5.50); Stengel's *Pathology* ($5.00); Adami's *Special Pathology* ($6.00); Lazarus-Barlow's Pathologic Anatomy ($6.50).

Nervous and Mental Diseases: Church and Peterson's *Nervous and Mental Diseases* ($5.00); Kraeplin's *Clinical Psychiatry* ($3.50); Clouston's *Mental Diseases* ($4.25); Starr's *Organic and Functional Nervous Diseases* ($6.00); Collins' *Treatment of Nervous Diseases* ($5.00); Oppenheim's *Nervous Diseases* ($5.00).

Diseases of Children: Holt's *Diseases of Infancy and Child-*

hood ($6.00); Chapin and Pisek's *Diseases of Infants and Children* ($5.50); Kerley's *Practice of Pediatrics* ($5.00); Koplik's *Diseases of Infancy and Childhood* ($5.00).

Diseases of the Skin: Stelwagon (4th ed.) ($6.00); Pusey ($6.00); Schamberg ($3.00); Jackson ($2.75); Walker ($3.00); Shoemaker ($5.00); Croker ($5.00); Jamison ($6.00); Macleod's *Pathology of the Skin* ($3.75).

Venereal Diseases: Chetwood ($6.00); Keyes ($6.00); Hayden ($1.75); Lydston ($5.00); Morton ($3.00).

Ophthalmology: De Schweinitz's *Diseases of the Eye* ($5.00); Fox's *Ophthalmology* ($6.00).

Diseases of Ear, Nose, and Throat: Gleason ($2.50); Bosworth's *Diseases of the Nose and Throat* ($4.50).

Medical Jurisprudence: Reese ($3.00); Taylor ($4.50); Peterson and Haines's *Legal Medicine and Toxicology*, 2 vols. ($5.00 each).

Hygiene: Rosenau's *Preventive Medicine and Hygiene* ($6.00); Bergey ($3.00); Harrington and Richardson's *Practical Hygiene* ($5.00); Chapin's *The Sources and Modes of Infection* ($3.00).

Lexicon: Same as in the first year.

Note.—In the above list of text-books the price noted in parenthesis is that of the cheapest named edition in each case, as a rule bound in cloth. In each case only the latest edition should be purchased. Sheep binding will cost about fifty cents or a dollar more than the price quoted. The student is urged to procure for himself at least one text-book upon each subject. In some instances choice between several authors is left with the student; in such cases the work preferred is usually named first.

DEGREES

At the commencement exercises held at the completion of the twenty-fourth regular session, May 31, 1915, thirty-four candidates were granted the degree of Doctor of Medicine as follows:

Cornelius Oliver Bailey
James Daniel Blevins
Edda von Bose
Frank Otis Calaway
Wilbur Carter
Lawrence Evans Chapman
Earl William Clawater
R. Eugene Dyer
Scott Stuart Fay
Milton Hall Glover

Homer Wilford Gough
Casimir Boleslaus Kitowski
Emmett Lemuel Graham
Robert Alexander Hale
Joseph Kopecky
Robert Kaskie Lowry
Wooten Dudley Lightfoot
Thomas Richard Lutner
Emil Henry Marek
Zack Jackson Moore
Allen Huddleston Neighbors
Perle Potter Penfield
Adolph Hans Potthast
Otto James Potthast
Thomas Alexander Pressly
Lincoln Frank Putnam
William Edward Ramsey
James William Reid
Hester Brewer Smith
Oliver Abraham Smith
Charles Turner Stone
Sidney Carrington Venable
Walter Marvin Warren
Mildred Washington Weeks

HOSPITAL APPOINTMENTS

A year of residence in a hospital after graduation in medicine is recognized as a very important part of the preparation for the practice of medicine. One state (Pennsylvania) now requires a hospital internship of one year of all applicants for the license to practise medicine, and it is highly probable that other state boards of medical examiners will have a similar requirement in the near future.

Hospital interns receive their board, laundry, and lodging free, and enjoy superior advantages for acquiring practical experience in the different departments of medicine and surgery.

Opportunities are afforded to the graduates of the School of Medicine to secure very desirable internships in a number of hospitals. Appointments to the Kansas City General Hospital, the Cincinnati City Hospital, and the Cleveland City Hospital of Cleveland, Ohio, are open to members of the graduating class by special examinations conducted in the medical college by the authorities of these hospitals.

Internships in the John Sealy Hospital and St. Mary's Infirmary of Galveston, St. Joseph's Infirmary of Houston, Santa Rosa Infirmary of San Antonio, Providence Sanitarium of Waco and St. Vincent's Sanitarium of Sherman will be decided according to the results of a special competitive examination held in February or March of each year by the medical faculty, considered in connection with the personal fitness of the ap-

plicants. Internships in certain other hospitals are awarded by special appointment.

The following members of the class which graduated in 1915 have been appointed interns in the hospitals named:

John Sealy Hospital

L. E. Chapman
Jos. Kopecky
W. D. Lightfoot
T. R. Lutner
A. H. Neighbors
W. M. Warren

St. Mary's Infirmary

H. W. Gough

Santa Rosa Infirmary, San Antonio

Z. J. Moore
C. B. Kitowski

St. Joseph's Infirmary, Houston

L. F. Putnam

Baptist Sanitarium, Houston

W. E. Ramsey

Schumpert Memorial Hospital, Shreveport, La.

H. B. Smith

Kansas City General Hospital, Kansas City, Mo.

R. K. Lowry

Philadelphia General Hospital

E. W. Clawater
R. E. Dyer
E. H. Marek
T. A. Pressly

Cleveland City Hospital

F. O. Calaway
S. C. Venable

Mercy Hospital, Pittsburg

J. D. Blevins
M. H. Glover

Worcester Memorial Hospital, Worcester, Mass.

Perle P. Penfield

ASSOCIATIONS

Alumni Associations

The Alumni Association of the Medical Department of the University of Texas, as a branch of the General Alumni Association of the University, has been in existence for a number

of years, and has as its object the consideration and active prosecution of plans for the betterment of the school in such ways as the alumni are able to devise. It is open to the graduates of any of the schools of the Medical Department. It meets twice a year, once during the last week of the college term, upon a date assigned by its officers, and once during the annual meeting of the State Medical Association.

Students' Association

The Students' Association is an organization of the students of the institution, having as its object the mutual betterment of its members and the consideration and prosecution of such school matters as may properly be undertaken by the student body. Under its auspices is published *The University Medical*, a monthly medical journal, and it is likewise the basis of organization of such bodies as the Students' Co-operative Book Store and the University Dining Club, although these in their special activities act independently of the parent society.

Young Men's Christian Association

The Y. M. C. A. conducts devotional services every Sunday afternoon during the session. Its object is to better the religious life of the student body. From time to time prominent men from the city are invited to address the meetings.

EXPENSES

Fees

Each student on entering the Department of Medicine is required to pay a matriculation fee of thirty dollars. This fee is paid but once, and is not required after the first term of attendance. If it has been paid in any other department of the University, it is not again required in the Medical Department. Other fees are in the nature of laboratory fees, to pay for material used by the student in laboratory exercises, or deposits to cover damage to laboratories or the library.

Instead of making separate deposits for each of the labora-

tories, one general deposit will be required each year to cover all loss, breakage, or damage to apparatus, books, or other equipment of the institution. These deposits are intended to cover the value of apparatus entrusted to each student in the laboratories, or of books withdrawn by the student from the library. At the close of the session, on return of apparatus in good condition, these deposits are returned to the student. Articles of apparatus or books not thus returned are charged against the deposit, their cost to the institution deducted therefrom, and the balance returned to the student. When the value of such broken or unreturned property of the school is greater than the deposit, a special charge is made to replace the article in question.

A library fee of one dollar will be deducted from the library deposit made by each student at the beginning of the session. This will be used to cover the expense of wear and tear of the books and for binding journals, books, etc.

Students who matriculate after the registration days (September 28, 29, 30, and October 2, 1916), will be required to pay a delayed registration fee of $3.00

The following list of expenses will indicate the items and total payments required each year, the items of deposit being returnable from the annual total, in accordance with the above explanation:

FIRST YEAR

Matriculation fee (payable once only)		$30.00
Laboratory fee in chemistry	$ 5.00	
Laboratory fee in physiology	5.00	
Laboratory fee in anatomy	10.00	
Laboratory fee in histology	5.00	
Laboratory fee in pharmacy	5.00	
Total laboratory fees		30.00
Deposit for library, laboratories, etc. (returnable as explained above)		15.00
Total payment upon matriculation		$75.00

SECOND YEAR

Laboratory fee in pathology	$ 5.00	
Laboratory fee in physiology	5.00	
Laboratory fee in anatomy	10.00	
Laboratory fee in bacteriology	5.00	
Total laboratory fees		25.00
Deposit for library, laboratories, etc. (returnable as explained above)		20.00
Total payment upon matriculation		$45.00

THIRD YEAR

Laboratory fee in clinical medicine	$ 5.00	
Laboratory fee in pathology	5.00	
Laboratory fee in surgical anatomy	5.00	
Total laboratory fees		$15.00
Deposit for library, laboratories, etc. (returnable as explained above)		12.50
Total payment upon matriculation		$27.50

FOURTH YEAR

Laboratory fee in operative surgery	$ 5.00	
Laboratory fee in clinical medicine	5.00	
Deposit for library, laboratories, etc. (returnable as explained above)	5.00	
Total payment upon matriculation		$15.00

Graduate physicians are permitted to join the class without payment of any fees unless they become candidates for the degree, except where laboratory courses are undertaken, when the usual fee named above is required for each course as elected.

Board

The cost of living will vary with the views of students. Good board, including room, light, and fuel, can be had at prices ranging from $18.00 to $20.00 a month.

Women students of medicine and pharmacy are furnished rooms in University Hall at a cost of $5.00 a month. Students can get good table board in University Hall at a cost of $13.00 a month. The Students' Dining Club is an organization of from 170 to 180 members, the object of which is to furnish good meals on the co-operative plan at a minimum cost.

Students are advised to go directly to the College Building, Strand, between Ninth and Tenth Streets, on their arrival in the city. The provost will be on hand, and will take pleasure in furnishing all necessary information and aid to students desiring to obtain board.

Letters requesting information as to the curriculum, or requests for catalogues, should be addressed to Dr. W. S. Carter, Dean, Medical Department of the University of Texas, Galveston, Texas. Business communications should be addressed to Thomas H. Nolan, Provost, Medical Department of the University of Texas, Galveston, Texas.

SCHOOL OF PHARMACY

ANNOUNCEMENT FOR THE TWENTY-FOURTH ANNUAL SESSION: 1916-1917

The School of Pharmacy was inaugurated with the opening of the session of 1893-1894, in connection with the School of Medicine, in the College Building of the Medical Department. The present session began on October 1, 1915, and will close on May 31, 1916. The twenty-fourth annual session will begin October 1, 1916, and will continue for eight months.

The instruction is conducted by the teaching staff of the chairs of materia medica and therapeutics, physiology, bacteriology, chemistry, and biological chemistry, in connection with that given the classes in medicine, and by the professor of pharmacy and the lecturer on botany and pharmacy. In addition, instruction is given in organic and pharmaceutical chemistry by the Department of Chemistry.

The accommodations of the school are the same as those of the School of Medicine. (See pages 6-8.) The laboratory of pharmacy occupies the east end of the basement of the College Building, which is well adapted to the purpose, being well lighted and supplied with all the forms of apparatus required for the teaching of this important branch. The chemical laboratory occupies the west end of the basement of the building. It accommodates about two hundred and seventy-five working desks or tables, and is supplied with a full stock of chemicals and apparatus for practical work by individual members of the class. The laboratory course in vegetable histology and microscopic pharmacognosy is given in the laboratory of botany, which is equipped with microscopes for teaching this subject by practical exercise to small sections of the class.

REQUIREMENTS FOR ADMISSION

Men and women are admitted to the School of Pharmacy under equal conditions. The requirements for admission are as follows:

1. Age.

Candidates are required to be at least 17 years old, and if under 21 years of age, to present written evidence of permission to matriculate from parent or guardian.

2. Character.

Candidates are required to present testimonials of good character from two reputable and responsible persons, preferably physicians or pharmacists.

3. Vaccination

Each candidate must present evidence of having been vaccinated at a date sufficiently recent to insure immunity against smallpox, or be vaccinated at the time of matriculation.

4. Scholarship

Candidates are required to present evidence of having had sufficient preliminary education to undertake the work of the course.

Admission by Diploma or Certificate

The following persons are admitted to the School of Pharmacy without examination: (1) Graduates and students from other approved colleges and universities; (2) students from other departments of this University; (3) students and graduates of the Texas Agricultural and Mechanical College; (4) graduates of the Texas state normal schools; (5) persons holding first-grade state teachers' certificates; (6) graduates of affiliated schools.

Admission by Individual Approval

Candidates over 21 years of age may be admitted upon personal approval by the dean and the examining committee, provided they furnish satisfactory evidence of having had a preliminary education equivalent to that required for admission by examination, so that that they are able to profit by the work undertaken.

Admission by Examination

Candidates who do not meet the conditions named above will be required to pass an examination in the following subjects:

1. *English.* Proficiency in orthography, grammar, rhetoric and composition will be determined by requiring the candidate to write a short essay upon some assigned subject.
2. *History.* The questions cover general history, the history of the United States, and the history of Texas.
3. *Mathematics.* The questions are given on (a) arithmetic, (b) algebra (through quadratic equations), and (c) plane geometry.

Instead of geometry, one year's work in physics, Latin, German, or French may be offered as an equivalent.

Admission to Advanced Standing

Students who have attended one full course of instruction in a recognized school of pharmacy may be admitted to the second year of the course upon passing satisfactory examinations upon the physics of pharmacy, processes of manufacture and the chemical constituents of the official inorganic compounds, pharmaceutical preparations of crude drugs, general inorganic chemistry, physics, chemical physiology, bacteriology, materia medica, and botany, including vegetable histology.

GENERAL INFORMATION

Registration, Examination, etc.

The rules governing examinations, class standing, exemptions, conditions, and promotion are the same as in the School of Medicine (see pages 18-20).

Entrance examinations will be held September 28, 29, and 30, 1916.

Students who matriculate after the registration days (September 28 to October 2, 1916) will be required to pay a delayed registration fee of $3.00.

Examinations for the removal of conditions and for advanced

standing will be held September 28, 29, and 30. No examination for the removal of conditions will be held after October 1 of any year. Students will not be allowed to attend class work until they have matriculated.

PLAN OF INSTRUCTION AND CURRICULUM

The teaching consists of systematic lectures upon pharmacy, bacteriology, botany, and prescription reading, writing, and compounding, together with a large amount of laboratory work upon these subjects. The course of study is a graded one, the students being required to pass an examination upon the matter taught in the junior year before they are permitted to enter the senior class. The following curriculum exhibits the arrangement of the work:

Junior Year

Major subjects: (1) Pharmacy, including prescription compounding and dispensing; (2) general chemistry; (3) materia medica.

Minor subjects: (1) Botany; (2) vegetable histology; (3) pharmacognosy; (4) physiology; (5) physics; (6) bacteriology.

Laboratory work in (1) pharmacy; (2) prescription compounding and dispensing; (3) general chemistry; (4) vegetable histology and plant analysis; (5) pharmacognosy; (6) bacteriology.

Senior Year

Major subjects: (1) Pharmacy, including pharmaceutical manufacturing, the purification of drugs, prescription compounding and dispensing; (2) medical and biological chemistry; (3) organic chemistry; (4) the physiological action and uses of drugs; (5) physiology.

Laboratory work in (1) pharmacy, including analytical and manufacturing pharmacy; (2) medical and biological chemistry, including the analysis of foods and pharmaceuticals; (3) pharmacognosy.

DEPARTMENTS OF INSTRUCTION

PHARMACY

RAOUL RENE DANIEL CLINE, B. S., M. A., PH. G., M. D., *Professor of Pharmacy.*
JOHN C. BUCKNER, PH. G., *Lecturer on Pharmacy.*

JUNIOR CLASS

1. Pharmacy.

Two lectures and seven laboratory hours each week throughout the session.

The lectures deal with the theory and practice of pharmacy, special emphasis being laid upon the purification and preservation of pharmaceuticals and chemicals and the methods of combining medicines.

The practical work in the laboratory is devoted to the manufacture and purification of medicated waters, medicated solutions, extracts, fluid extracts, tinctures, wines, syrups, infusions, misturas, elixirs, emulsions, glycerites, vinegars, collodions, eye waters, douches, sprays, gargles, pills, suppositories, ointments, plasters, liniments, etc.

During the latter part of the year special instruction is given in the manufacture of toilet preparations and perfumery.

The first three months of this laboratory course are spent in the study of the physics of pharmacy, *i. e.*, the determination of coefficients of solubilities, points of fusion, points of ebullition, points of congelation, the examination and correction of apparatus, such as balances, graduated vessels, thermometers, pipettes, and burettes. Crystallization, fractional distillation, percolation, infusion, and sublimation are studied from a practical standpoint.

2. Prescription Laboratory.

Eight laboratory hours a week throughout the session.

This course is devoted to the reading, writing, compounding, and dispensing of physicians' prescriptions. Special

attention is paid to modes of making medicines sightly, palatable, and permanent.

SENIOR CLASS

3. Pharmacy.

Two lectures and ten laboratory hours a week throughout the session.

These lectures deal with the manufacture, purification, and preservation of chemical salts, acids, alkaloids, alkaloidal salts, resins, resinoids, glucosides, ethers, fruit essences, and syntheticals, such as urotropin, sulphonal, piperazine, acetanilid, phenacetin, aspirin, tanalbin, aristol, tannigen, guncotton, terebene, terpin hydrate, terpinol, thyocol, creosote, menthol, iodoform, iodol, chloroform, chloral, monobromated camphor, camphoric acid, ether, acetic ether, nitrous ether, amyl nitrite, salol, salicin, benzol, nitro-benzol, oil of wintergreen, acetone, gallic acid, pyrogalol, resorcin, beta-nephthol, protargol, sulpho-carbolic acid, sulphocarbolates, etc.

The laboratory course is devoted to the manufacture and purification of the above mentioned substances. Special instruction is given in testing chemicals and pharmaceuticals, and in alkaloidal and glucosidal determinations.

4. Prescription Laboratory.

Six laboratory hours a week throughout the session.

This course is devoted to the reading, writing, compounding, and dispensing of physicians' prescriptions. Special attention is paid to easy and rapid modes of making prescriptions sightly and palatable, and to methods of increasing their potency and absorbability.

BOTANY

JOHN C. BUCKNER, PH. G., *Lecturer on Botany.*

JUNIOR CLASS

1. Botany.

Two lectures a week for two-thirds of the session.

These lectures bear upon structural, physiological, his-

tological, and taxonomic botany, with special reference to pharmacy.

2. *Field Botany.*

This course consists of two hours a week in the field during the last third of the session.

After a careful study of the typical flora of Galveston Island, excursions to the mainland are made, where a further study of Texas plants is possible. Special attention is paid to those indigenous plants which possess medicinal activity.

3. *Vegetable Histology.*

Two laboratory hours a week throughout the session.

In this course special stress is laid upon the microscopic structure of plants used in medicine. This subject is necessary for an intelligent understanding of the course given to the senior class in powdered drugs.

4. *Pharmacognosy.*

Three laboratory hours weekly throughout the session.

The course includes the recognition of plants and plant parts, the identification of adulterants, a knowledge of the active constituents, their uses, and a classification of all such plants, together with methods best adapted to their preservation; also the identification of volatile and fixed oils and of various pharmaceutical preparations.

SENIOR CLASS

5. *Pharmacognosy.*

Two hours a week throughout the session.

This course is devoted to a study of the crystallography of alkaloids and chemicals under the microscope. The microscopical appearance of powdered drugs is dealt with, looking mainly to the detection of adulterants and to the identification of substances examined. The second half of the session is devoted to testing for all the different active ingredients found in the tissues of medicinal plants. The course is given in the laboratory of vegetable histology.

CHEMISTRY

William Cumming Rose, B. S., Ph. D., *Professor of Biological Chemistry.*

Walter T. Garbade, B. S., Ph. G., *Adjunct Professor of Chemistry.*

Lieuen Moss Rogers, Ph. G., *Assistant in Chemistry.*

1. *General Inorganic Chemistry.*

Junior year. Two lectures and four laboratory hours a week throughout the session.

This is a course in theoretical and descriptive chemistry. The character of the elements, the laws governing their union, their sources, and the methods of isolation and preparation are considered. Special attention is given to compounds found in the body, substances of importance in materia medica, toxicology, and to substances which serve as reagents in the detection and isolation of biochemical products.

In the laboratory each student applies in a practical way the principles of chemistry in isolating chemical elements, making compounds and qualitative analysis.

2. *Physics.*

Junior year. Two lectures a week during the first half of the session.

This course is designed to acquaint the student with the underlying principles of elementary physics, particularly the phenomena of heat, light, and electricity. Those subjects having special bearing upon the work in pharmacy are thoroughly gone into and all lectures are fully illustrated with experiments.

3. *Organic Chemistry.*

Senior year. Four lectures a week for fourteen weeks.

These lectures treat of the fundamental principles and theories of organic chemistry, the general methods of preparation and synthesis of organic compounds, with a study of their properties, special attention being given to those compounds which are of importance in medicine.

4. Medical and Biological Chemistry.

Senior year. Four lectures and eight laboratory hours each week for fourteen weeks.

This course comprises a thoroughly practical drill in the qualitative analysis of mixtures of unknowns; in the analysis of potable and mineral waters; analysis of milk; analysis of urine; the principles of gravimetric and volumetric analysis; and the processes of detecting mineral and vegetable poisons in complex organic mixtures.

5. Analytical Chemistry.

Five laboratory hours a week throughout the session.

This course includes the gravimetric and volumetric analysis of chemicals and pharmaceuticals; the estimation of alcohol in beverages and pharmaceutical preparations; and the analysis of foods, fixed and volatile oils, giving special attention to the detection of preservatives and adulterants.

The chemical laboratory occupies the greater portion of the lower floor of the College Building, and contains 275 working tables, each table being supplied with a complete equipment of apparatus and reagents for individual work by each student. The laboratory is well equipped for the purpose of teaching the subject, and the practical work is done by each student.

MATERIA MEDICA AND THERAPEUTICS

EDWARD RANDALL, M. D., *Professor of Materia Medica and Therapeutics.*

1. Materia Medica.

Junior year. Three lectures or recitations a week for fourteen weeks.

These lectures include a general description and classification of crude drugs, their physical, chemical, and medicinal properties, their preparation, doses, tests, antidotes, toxicology, etc.

The laboratory of pharmacy contains a complete cabinet of drugs, active principles, etc., for use by each student in the practical study of materia medica as the different subjects are discussed during the term.

2. *Therapeutics.*

Senior year. Two lectures weekly throughout the session.

In this course the therapeutic classification of remedies and their therapeutic and chemical compatibilities are considered. Prescription writing, with the dosage, in both the metric and the apothecary systems, is duly dwelt upon. It is the aim of the course to qualify the student for the work of the pharmacist, without making a prescribing doctor of him.

BACTERIOLOGY

BURDETT L. ARMS, M. D., *Professor of Preventive Medicine and Bacteriology.*
CHARLES BELL MCGLUMPHY, PH. C., M. D., *Adjunct Professor of Bacteriology.*
SCOTT STUART FAY, M. A., M. D., *Instructor in Bacteriology.*

Junior year. One lecture or recitation and five laboratory hours a week for fourteen weeks.

This course includes the preparation of the ordinary forms of culture media; the study of the various methods of sterilization and disinfection; staining and mounting bacteria; isolation in pure culture; the cultural characteristics and methods of identification of the more common forms of bacteria; and the practical bacteriological examinations of air, water, milk, etc.

PHYSIOLOGY

WILLIAM SPENCER CARTER, M. D., *Professor of Physiology.*
LAWRENCE EVANS CHAPMAN, B. A., M. D., *Instructor in Physiology.*

1. Junior year. Two lectures a week for one-half of the session.

This course covers the physiology of digestion, absorption,

the blood, and respiration. Careful consideration is given to the composition of foods and the changes which they undergo during digestion; the part which each secretion of the alimentary canal plays in the progress of digestion, etc.

2. Senior year. Five lectures a week for nine weeks.

This course covers the circulation of the blood, metabolism, secretions, and excretions. Some knowledge of these physiological processes is necessary for an understanding of the action and therapeutic uses of drugs.

LIBRARY AND READING-ROOM

The library and reading-room of the institution are open to the classes in pharmacy on the same conditions as to students in medicine. The most important works bearing upon the subjects taught in the course are upon the shelves, and the current and back numbers of the best known pharmaceutical journals are available in the reading-room for consultation.

SCHOLARSHIP

In 1889 the Texas State Pharmaceutical Association established a scholarship in the School of Pharmacy of the University of Texas. When first established, the sum of $150 was given, and the selection of the beneficiary was made by a committee approved by the president of the association. In 1900 the sum was increased to $200, and has since remained the same. In 1901, the selection of the holder of the scholarship was left to the professor of pharmacy, his action in the matter being ratified by the executive committee of the association. The scholarship is held at present by G. W. Clampitt of the senior class.

ROSTER OF THE SCHOOL OF PHARMACY, 1916-1917

JUNIOR CLASS: FIRST TERM

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8 a. m.		Physics		Physics		
9 a. m.	Pharmacy	Botany	Pharmaceutical Laboratory	Botany	Pharmacy	Prescription Laboratory
10 a. m.	Prescription Laboratory	Pharmaceutical Laboratory		Pharmacognosy	Prescription Laboratory	
11 a. m.						
12 m.						
2 p. m.	Vegetable Histology A	Vegetable Histology B	Chemical Laboratory	Chemical Laboratory		
3 p. m.						
4 p. m.			Materia Medica	Materia Medica	Materia Medica	
5 p. m.			Chemistry	Chemistry		

ROSTER OF THE SCHOOL OF PHARMACY, 1916-1917

JUNIOR CLASS: SECOND TERM

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
8 a. m.						
9 a. m.	Pharmacy	Botany	Chemistry	Chemistry	Pharmacy	Prescription Laboratory
10 a. m.	Prescription Laboratory	Pharmaceutical Laboratory	Chemical Laboratory	Chemical Laboratory	Prescription Laboratory	
11 a. m.						Vegetable Histology B
12 m.						
2 p. m.	Bacteriology Laboratory	Bacteriology Laboratory	Pharmaceutical Laboratory	Pharmacognosy	Vegetable Histology A	
3 p. m.						
4 p. m.						
5 p. m.	Physiology	Physiology		Botany		

ROSTER OF THE SCHOOL OF PHARMACY, 1916-1917

SENIOR CLASS: FIRST TERM

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9 a. m.	Microscopy of Powdered Drugs	Prescription Laboratory	Prescription Laboratory	Pharmacy	Prescription Laboratory	Analytical Chemistry
10 a. m.				Pharmaceutical, Chemical, and Alkaloidal Testing and Assaying		
11 a. m.	Pharmacy Laboratory	Pharmacy Laboratory	Pharmacy Laboratory		Pharmacy Laboratory Analytical Chemistry	
12 m.						
2 p. m.		Pharmacy				
3 p. m.	Organic Chemistry	Organic Chemistry	Organic Chemistry	Organic Chemistry		
4 p. m.	Therapeutics	Therapeutics	Physiology			
5 p. m.	Physiology	Physiology		Physiology	Physiology	

ROSTER OF THE SCHOOL OF PHARMACY, 1916-1917

SENIOR CLASS: SECOND TERM

Hour	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
9 a. m.	Microscopy of Powdered Drugs	Prescription Laboratory	Prescription Laboratory	Pharmacy	Prescription Laboratory	Biological Chemistry
10 a. m.				Pharmaceutical, Chemical, and Alkaloidal Testing, and Assaying		
11 a. m.	Pharmacy Laboratory	Pharmacy Laboratory	Pharmacy Laboratory		Pharmacy Laboratory	Pharmacy
12 m.						
2 p. m.	Analytical Chemistry	Analytical Chemistry	Biological Chemistry	Biological Chemistry	Biological Chemistry	
3 p. m.						
4 p. m.	Therapeutics	Therapeutics	Biological Chemistry	Biological Chemistry	Biological Chemistry	
5 p. m.		Biological Chemistry				

TEXT-BOOKS

First Year

Pharmacy: Remington's *Pharmacy* ($6.00); *United States Pharmacopeia* ($2.50).

Chemistry: Sadtler and Coblentz's *Pharmaceutical and Medical Chemistry* ($3.50); Garbade's *Manual of Inorganic Chemistry* ($1.50).

Physics: Page's *Elements of Physics* ($1.25); Carhart and Chute's *Physics* ($1.35).

Botany: Kraemer's *Applied and Economic Botany* ($2.50); Gray's *Field Botany* ($1.80).

Materia Medica: Cushny's *Pharmacology and Therapeutics* ($3.75); Bastedo's *Materia Medica, Pharmacology, and Therapeutics* ($3.50); *United States Dispensatory* ($7.00).

Prescription Work: Scoville's *The Art of Compounding* ($2.50).

Pharmacognosy: Kraemer's *Scientific and Applied Pharmacognosy* ($2.50).

Physiology: Halliburton.

Bacteriology: Jordan's *General Bacteriology* ($3.00).

Second Year

Chemistry: Hammersten's *Physiological Chemistry*, translated by Mandel ($4.00); Hawk's *Practical Physiological Chemistry* ($2.50); Leach's *Analysis of Foods* ($7.50); Remsen's *Organic Chemistry* ($1.20); Anteurieth's *Detection of Poisons* ($2.00).

Pharmacognosy: Kraemer ($5.00).

Volumetric Analysis: Coblentz and Vorisek ($1.75).

Physiology: Halliburton.

DEGREES CONFERRED IN 1915

The degree of Graduate in Pharmacy (Ph. G.) was conferred at the commencement held May 31, 1915, on twenty candidates, as follows:

Brett Simeon Baillio
Harry Karl Brill
Henry Leigh Bartlett
Harry Clarence Bryan
Jesse Hurst Cain
James Sterling Dimmitt
Margaret Verna Glover
George Douglas Graves
Joseph Dudley Hall
Harry Gant Moore Hatler
Garrett Rufus Herring
Alonzo Garner Hervey
Edgar Coleman Cleburne Lawhon
William Jack McKee
Sam Mann
Robert Earl Maris
Colley LaFayette Munford
Chester Bernaye Wiggins
Walter Wirt Murray
James Clifton Wright

ASSOCIATIONS

The graduates of the School of Pharmacy are eligible to membership in the Alumni Association of the Medical Department of the University of Texas. A Pharmaceutical Association, composed of the students of this school alone, has been formed for the study of essentially pharmaceutical problems. The students of pharmacy are eligible to the Students' Association and other student bodies of the Department.

EXPENSES

Fees

Each student on entering the School of Pharmacy is required to pay a University matriculation fee of thirty dollars.

This fee is paid but once. If it has been paid in any other department of the University, it is not again required in the Medical Department. Other fees are in the nature of laboratory fees of five or ten dollars for each laboratory attended to pay for material used by the student in laboratory exercises; and laboratory and library deposits. These deposits are intended to cover the value of apparatus entrusted for use to each student in the laboratories, or of books withdrawn from the library. At the close of the session, on the return of apparatus and books in good condition, these deposits are returned to the student. Articles of apparatus or books not thus returned are charged against these deposits, their cost value deducted therefrom, and the balance returned to the student. When the value of such

broken or unreturned property of the school is greater than the deposit, a special charge is made to replace the articles in question. The list of expenses given below will indicate the individual items and the total payments required each year, the items of deposit being returnable from the annual total in accordance with the above explanation.

Instead of requiring separate deposits in each of the laboratories, the authorities will require one deposit to be made by each student to cover breakage, loss, or damage to apparatus, books, or other equipment.

A library fee of one dollar is deducted from the library deposit made by each student at the beginning of the session. This will be used to cover the expense of wear and tear of the books, and for binding journals, books, etc.

Students who matriculate after the registration days (September 28, 29, and 30, and October 2, 1916), will be required to pay a delayed registration fee of $3.00.

JUNIOR YEAR

Matriculation fee		$30.00
Laboratory fee in chemistry	$ 5.00	
Laboratory fee in pharmacy	10.00	
Laboratory fee in bacteriology	5.00	
Total laboratory fees		20.00
Deposit for library, laboratories, etc. (returnable as explained above)		20.00
Total payable upon matriculation		$70.00

SENIOR YEAR

Laboratory fee in chemistry	$ 5.00	
Laboratory fee in pharmacy	10.00	
Total laboratory fees		$15.00
Deposit for library, laboratories, etc. (returnable as explained above)		15.00
Total payable upon matriculation		$30.00

Board

Good board, with fuel and lights, can be had at prices ranging from $18.00 to $20.00 a month.

Students are advised to go direct to the College Building, on Strand, between Ninth and Tenth Streets, on their arrival in the city, where the provost of the Medical Department will be found. He will take pleasure in furnishing all necessary information and aid in obtaining board without delay.

Letters requesting information or catalogue should be addressed to Dr. Wm. S. Carter, Dean, Medical Department of the University of Texas, Galveston, Texas. Business communications should be addressed to Thomas H. Nolan, Provost, Medical Department of the University of Texas, Galveston, Texas.

SCHOOL OF NURSING

STAFF OF INSTRUCTORS AND OTHER OFFICERS

ETHEL D'ARCY CLAY, R. N., *Superintendent, Clinical Instructor in Nursing.*
ETHEL MITCHELL, *Student Assistant in Nursing.*

Lecturers

JAMES EDWIN THOMPSON, F. R. C. S. (ENG.), *Surgical Nursing.*
MARVIN LEE GRAVES, M. D., *Medical Nursing; Nervous and Mental Diseases.*
RAOUL RENE DANIEL CLINE, M. D., *Materia Medica.*
WILLIAM SPENCER CARTER, M. D., *Physiology and Dietetics.*
ALLEN G. HEARD, M. D., *Diseases of Children.*
SETH MABRY MORRIS, M. D., *Diseases of the Eye, Ear, Nose, and Throat.*
ALBERT O. SINGLETON, M. D., *Surgery.*
WILLIAM KEILLER, F. R. C. S. (ED.) *Anatomy.*
GEORGE HENDERSON LEE, M. D., *Obstetrics and Gynecology.*
BURDETT L. ARMS, M. D., *Hygiene.*
JESSE A. FLAUTT, M. D., *Obstetrics.*
L. E. CHAPMAN, M. D., *Physiology.*
HARRY O. KNIGHT, M. D., *Anatomy.*
WILLARD R. COOKE, M. D., *Gynecology.*
HERBERT L. MCNEIL, M. D., *Clinical Pathology.*
W. BOYD READING, M. D., *Fever Nursing.*
S. S. FAY, M. D., *Bacteriology.*

Committee on Instruction

ETHEL D'ARCY CLAY, R. N., *ex-officio.*
From the faculty of the School of Medicine:
JAMES EDWIN THOMPSON, F. R. C. S.
MARVIN LEE GRAVES, M. D.
WILLIAM SPENCER CARTER, M. D., *ex-officio.*

Advisory Board of Lady Managers

MRS. EDWARD RANDALL, President

MRS. GEORGE SEALY
MRS. GEORGE E. MANN
MRS. L. FELLMAN
MRS. J. E. THOMPSON
MRS. R. WAVERLY SMITH
MRS. T. B. ALLEN
MRS. H. KEMPNER
MISS MARY DAVIS
MRS. J. WHARTON TERRY
MRS. H. L. ZIEGLER
MRS. FREDERICK SCHNEIDER
MRS. R. B. HAWLEY
MRS. WATERS DAVIS, JR.

GENERAL INFORMATION

The School of Nursing was established as a successor to the John Sealy Hospital Training School for Nurses. The latter training school was supported and managed by a board of ladies resident in the city of Galveston, as a public charity, and, while well accomplishing its purpose, it had grown in the course of years to be a tax upon the generosity and attention of those who had become interested in it. In order to save it from going out of existence, therefore, and at the same time to extend the opportunity for medical instruction to the classes of nurses, the regents of the University, in 1897, created the School of Nursing as one of the regular schools of the Medical Department of the University, and the pupil nurses are recognized as students of this branch of the Medical Department. The regents of the University are responsible for the instruction of the student nurses in all branches, and have placed the management of the curriculum in the hands of a committee composed of the Clinical Instructor in Nursing, the Dean, and two members elected annually from the faculty of medicine by the members of the faculty. The committee has arranged a curriculum and appointed, from the members of the teaching staff of the School of Medicine, the special instructors in each branch.

After having completed the course of training satisfactorily, and having complied with all other requirements, the students of the School of Nursing are, upon recommendation of the medical faculty, given diplomas as Graduates in Nursing by the

University of Texas and the president of the Board of Managers, on the part of the management of the John Sealy Hospital.

In the establishment of the School of Nursing, the regents of the University have definitely delegated to the Board of Hospital Managers all governmental supervision of the school not directly concerning the instruction of the classes. All questions of admission to classes, rules, regulations governing the duties and privileges of nurses, matters concerning the moral and physical welfare of pupil nurses, support of individual nurses, and matters of penalty or dismissal, are determined by the Board of Hospital Managers.

An Advisory Board of Lady Managers has been created, their duties being to aid the Superintendent of Nurses in questions of government when required, and to advise the Board of Hospital Managers in questions involving the care of the nurses. The members of this board act as visiting committees, and endeavor to keep in touch with the students and to aid them when possible.

It is now recognized that two years do not allow sufficient time for properly preparing students for the numerous and responsible duties of nursing. Following the example of other institutions of high standing, the University of Texas has extended the course of training in the School of Nursing from two to three years. This change went into effect October 1, 1907.

For the first four months of the course, candidates who have been approved by the superintendent of nurses will be admitted on probation. At the expiration of this time, if the probationer proves to be capable of continuing the course satisfactorily, she will be admitted to full standing and enrolled as a pupil nurse.

During the period of probation the probationer receives board, lodging, and laundry free. After full admission into the School of Nursing, in return for her services in the wards of the hospital, the pupil nurse receives board, lodging, laundry, and uniforms free; and, in addition, an allowance of five dollars a month during the remainder of the period of training is made by the Board of Managers to defray the expense for textbooks, etc.

ADMISSION

Those wishing to take the course of instruction must apply to the Superintendent of Nurses, John Sealy Hospital, Galveston, upon whose approval they will be received into the school on probation. The age of candidates must be from twenty to thirty-five years. The candidate should send, with answers to the questions sent to her, two letters testifying to her good moral character, and one from her physician stating that she is in sound health. She should be of at least average height and physique.

Within the first week of probation the applicant will be examined in reading, penmanship, simple arithmetic, and English. Candidates must be able to read aloud well, to write legibly and accurately from dictation, and to understand arithmetic as far as fractions and percentage. While this is the minimum educational requirement, women of superior education are preferred.

The superintendent has full power to decide as to the fitness of a probationist for the work and as to the desirability of her retention to the end of the period of probation. She can suspend any nurse for cause at any time, and, with the formal approval of the Board of Hospital Managers, dismiss a nurse for serious misconduct or inefficiency.

Vacancies in the School of Nursing will be filled on the first of June of each year, or as soon thereafter as possible. It is advisable for pupil nurses to enter the school before October 1, as the regular courses of instruction are given during the academic year, from October 1 to June 1. Vacancies arising at other times will be filled as they occur.

Candidates who prove satisfactory will be accepted as pupil nurses after signing an agreement to remain in the service for the length of time required by the rules of the school; to submit to the control of the superintendent; and to obey the rules of the hospital and school. They will reside in the Home for Nurses, adjacent to the hospital, and serve the first year as assistants in any or all of the wards of the hospital.

They will be expected to perform any duty assigned to them by the superintendent, and to act as nurses in any of the wards or in any department of the hospital. They are required during

the months of training to wear the dress and shoes prescribed for the institution.

The day nurses are on duty from 7 a. m. to 7 p. m.; the night nurses from 7 p. m. to 7 a. m. Reasonable time is given for meals, exercise, study, and rest. One afternoon each week, and additional time on Sundays, will be allowed to each pupil nurse.

A vacation of two weeks will be allowed each year.

In case of sickness, pupils will be gratuitously cared for in their rooms or in the hospital, but the time lost must be made up.

Blanks containing questions required to be answered by the candidates for the information of the Superintendent of Nurses will be mailed upon application.

COURSE OF TRAINING AND INSTRUCTION

The course of instruction is a graded one, extending over three sessions. The plan of instruction includes systematic lectures, demonstrations, and actual bedside practice of the principles taught, and from time to time, the students are required to present papers upon various themes connected with the work.

The course is arranged as follows:

Junior Year

Systematic lectures upon (1) anatomy; (2) physiology; (3) materia medica, including the dosage and uses of drugs, the antidotes for poisons, etc.; (4) nursing of medical cases (fever nursing); (5) the ethics of nursing, including the duties of nurses in caring for patients, both in hospitals and in private homes.

Practical instruction in ward-work, bed-making, the care of patients, including toilet, feeding, attention to excretions, application of lotions, stupes, poultices, blisters, and the care of the same, prevention and treatment of bed-sores, cupping and leeching, clinical observations, symptoms and the records of temperature, pulse and respiration, baths, enemata, ventilation, disinfection, etc.

Intermediate Year

Systematic lectures upon (1) surgical nursing; (2) medical nursing; (3) obstetrics; (4) gynecology; (5) dietetics.

Practical instruction in surgical nursing, including surgical technique; preparation for operations, both in hospital and in homes; the care of patients after operation; practical experience of three months under a permanent head nurse in the operating room; obstetrical nursing; gynecological nursing; dietetics; the preparation of foods for artificial feeding and for various diseased conditions.

Senior Year

Lectures upon (1) the nursing of infants and children; (2) hygiene; (3) nursing of nervous and mental diseases; (4) eye cases; (5) ear, nose, and throat cases; (6) hospital management and administration; (7) ethics of nursing, with special reference to the nursing of private patients; (8) massage and Swedish movements; (9) bacteriology.

Practical instruction in infant feeding; the nursing of special cases, including mental and nervous diseases, and diseases of the eye, ear, nose, and throat; urine analysis; massage and Swedish movements; ward management and hospital administration.

The requirements for promotion and graduation are essentially the same as in the School of Medicine. Final examinations are held upon all subjects taught, and the pupil is also graded for the quality of ward work which she has done. Most of the instruction above outlined is given in the hospital and in the Nurses' Home. The practical clinical instruction is given in the wards of the hospital. Some of the lectures and demonstrations are given in the Medical College.

TEXT-BOOKS

Anatomy and Physiology: Kimber.
Primary Nursing: McIsaac.
General Nursing: Hampton.
Dietetics for Nurses: Friedenwald and Rührah.

Massage and Swedish Movements: Ostrum.
Materia Medica: Blumgarten.
Care of the Baby: Griffith.
Surgical Nursing: Stoney's *Surgical Technique.*
Fever Nursing: Wilson.
Nervous Diseases and the Insane: Mills.
Medical Dictionary: Gould.
Obstetrics: DeLee.
Gynecology: DeLee.
Bacteriology: Bolduan and Grund.

ROSTER OF WARD DUTIES AND INSTRUCTION, 1916-1917

JUNIOR CLASS OF NURSES

Hour	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
7 a. m.	Ward	Ward	Ward	Ward	Ward	Ward	Ward
8	Ward	Ward	Ward	Ward	Ward	Ward	Ward
9	Ward	Ward	Ward	Ward	Ward	Ward	Ward
10	Ward	Ward	Ward	Ward	Ward	Ward	Ward
11	Ward	Ward	Ward	Ward	Ward	Ward	Ward
12 m.	Dinner	Dinner	Dinner	Dinner	Dinner	Dinner	Dinner
1 p. m.	Ward	Ward	Ward	Ward	Ward	Ward	Ward
2	Ward	Ward	Ward	Ward	Ward	Ward	Ward
3	Ward	Clinical Instruction	Physiology —H	Clinical Instruction—H	Ward	Ward	Ward
4	Ward	Ward	Materia Medica—H	Ward	Anatomy—C	Medical Nursing—H	Ward
5	Supper	Supper	Supper	Supper	Supper	Supper	Supper
6	Ward	Ward	Ward	Ward	Ward	Ward	Ward

NOTE.—In the above roster, when not noted, it is to be understood that lectures begin with the opening of the fall term of the Medical Department, and continue until the course of instruction is finished, or to the end of the term. H indicates the John Sealy Hospital as the place of the lectures; C, the College Building.

ROSTER OF WARD DUTIES AND INSTRUCTION, 1916-1917

INTERMEDIATE CLASS OF NURSES

Hour	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
7 a. m.	Ward	Ward	Ward	Ward	Ward	Ward	Ward
8	Ward	Ward	Ward	Ward	Ward	Ward	Ward
9	Ward	Ward	Ward	Ward	Ward	Ward	Ward
10	Ward	Ward	Ward	Ward	Ward	Ward	Ward
11	Ward	Ward	Ward	Ward	Ward	Ward	Ward
12 m.	Dinner	Dinner	Dinner	Dinner	Dinner	Dinner	Dinner
1 p. m.	Ward	Ward	Ward	Ward	Ward	Ward	Ward
2	Ward	Ward	Ward	Ward	Ward	Ward	Ward
3	Ward	Principles and Practice of Nursing	Obstetrics and Gynecology—H	Medical Nursing	Dietetics—H	Ward	Cooking
4	Ward	Surgical Nursing	Ward	Ward	Clinical Instruction—H	Ward	
5	Supper	Supper	Supper	Supper	Supper	Supper	Supper
6	Ward	Ward	Ward	Ward	Ward	Ward	Ward

ROSTER OF WARD DUTIES AND INSTRUCTION, 1916-1917

SENIOR CLASS OF NURSES

Hour	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
7 a. m.	Ward	Ward	Ward	Ward	Ward	Ward	Ward
8	Ward	Ward	Clinical Pathology	Ward	Ward	Ward	Ward
9	Ward	Ward	Ward	Ward	Ward	Ward	Ward
10	Ward	Ward	Ward	Ward	Ward	Ward	Ward
11	Ward	Ward	Ward	Ward	Ward	Ward	Ward
12 m.	Dinner	Dinner	Dinner	Dinner	Dinner	Dinner	Dinner
1 p. m.	Ward	Ward	Ward	Ward	Ward	Ward	Ward
2	Ward	Ward	Ward	Ward	Ward	Ward	Ward
3	Ward	Care of the Eye—H	Principles and Practice of Nursing	Massage—H	Mental and Nervous Diseases	Hygiene—H	Ward
4	Ward	Diseases of Ear, Nose, and Throat			Ethics of Nursing	Pediatrics	Ward
5	Supper	Supper	Supper	Supper	Supper	Supper	Supper
6	Ward	Ward	Ward	Ward	Ward	Ward	Ward

GRADUATES IN NURSING

At the commencement exercises held May 31, 1915, the following graduated from the School of Nursing:

Ella Erwin Anderson
Rannie Lou Arledge
Kate D. Chandler
Ella Louise Cheatham
Tchula Coleman
Emilie Erck
Ollie Myrtle Fesmire
Omar Hamlett
Hattie Hawkins
Sybil Hawkins
Elizabeth Davis Holmes
Dessie Johnson
Hilma Mork
Bert Neubauer
Willie Riley
Mary E. Schonka
Cecile A. Sedgwich
Ella A. Swenson
Ora M. White

Letters requesting information as to the curriculum of the School of Nursing, or application for admission to the class, should be addressed to the Superintendent of Nurses, John Sealy Hospital, Galveston, Texas.

DEPARTMENT OF MEDICINE

SCHOOL OF MEDICINE

Seniors

Bunkley, Thelbert Forney.....Seymour
B. A., Baylor University, 1911
Bush, Howard Marion.....Lytle
Cade, William H.....San Antonio
Champion, Albert Nicholas.....Luling
Davis, Hugh Jefferson.....Austin
Embry, Ruby Kathleen.....Ballinger
B. A., University of Texas, 1912
French, Elmo Dial.....Jacksonville, Fla.
B. A., Washington and Lee University, 1912
Giles, Roy Green.....Belton
B. A., Southwestern University, 1912
Glass, Thomas William.....Forreston
Hedrick, Thomas Wade.....Wheelock
Hodde, Frederick Henry.....Burton
Hudson, William Lee.....Belton
Jinkins, Julius Luther.....Normangee
Kurth, Robert Lee.....Lufkin
B. A., Southwestern University, 1912
Lattimore, John Edens.....Waco
B. A., Baylor University, 1912
McConnell, Seth Anderson.....Franklin
Maxwell, Herbert Chamberlain.....Magazine, Ark.
B. S., Davidson College, 1909
Mebane, Douglas Hamilton.....Alvin
B. A., Austin College, 1911
Mills, Edmund Dumas.....Somerville
B. A., Austin College, 1912
Pittman, John William.....Belton
Ramsdell, Marshall A.....Austin
Rice, Estill Lee.....Polytechnic
Roberts, Aaron Lamar.....Ennis
B. A., Trinity University, 1908
Rogers, Lieuen Moss.....Galveston
Ph. G., University of Texas, 1911
Schwarz, Edwin Grover.....Lockhart
Starnes, Mert Hawkins.....Georgetown
Stephen, Edwin Marion Frank.....Dublin
Stephens, Jamie D.....Temple
Streit, Paul Henry.....Dallas
Venable, Douglas Randolph.....Sherman
B. A. Austin College, 1912

White, John Lively.....Waco
Wiemers, Wesley J. C. .....Fredericksburg
Zeiss, Robert Fred.....Brenham

Juniors

Applebe, Edward Whateley.....Galveston
Arnold, Daniel Grady.....Henderson
Bailiff, Henry Carroll.....Garden Valley
Beal, Nelle .....Bertram
Canon, Robert Travis.....Jacksonville
Cheatham, Paul Negron.....Burnet
Coleman, Stephen Reeves.....Colorado
Compton, Marion Lee.....Fort Worth
Dupuy, Howard Barham.....Tennessee Colony
Ford, John Folkner.....Mount Vernon
Giles, Robert Byron.....Alba
Haggard, Charles Houston.....Hillsboro
Harber, Harry Paul.....San Saba
Hastings, Miles Edgar.....Nixon
Hendry, Cullen Haygood.....Georgetown
B. A., Southwestern University, 1910
Holderness, John Russell.....Commerce
B. L. and B. A., East Texas Normal College, 1912
Jackson, Isaac Dudley.....Brownwood
D. V. M., Kansas City Veterinary College, 1912
Kirksey, Oscar Thweatt.....San Marcos
Leach, Austin Felix.....Alvard
Leaverton, Claude Clay.....Grapeland
Lehmberg, Harry Ben.....San Antonio
Lowry, William Price.....Decatur
B. A., Decatur Baptist College, 1912
Luecke, Percy Edgar.....Wichita Falls
McDonald, Joseph Edwin.....San Antonio
McHenry, Rupert Kingsley.....Georgetown
B. A., Southwestern University, 1913
McMeans, Robert Howard.....Galveston
B. A., University of Texas, 1912
McWhirter, William Luther.....Frost
B. A., University of Texas, 1913
Meadows, Feland Lucius.....Douglas, Ariz.
Meredith, William Page.....Texarkana
Michie, Otis Charles.....Terrell
Otken, Luther Boyce.....El Paso
Parks, Charles Campbell.....Lancaster
B. A., Austin College, 1912
Pope, Irvin, Jr. .....Tyler
B. S., Marion Institute, 1913
Prichard, Horace DeWitt.....Lancaster
Pritchett, Asa Belvin.....San Marcos

Raney, Daniel Hall.....Meridian, Miss.
B. S., Agricultural and Mechanical College of Mississippi, 1909
Rea, Melvin Oscar.....Pottsville
B. L., Daniel Baker College, 1913
Robinson, H. Reid.....Galveston
Ph. G., University of Texas, 1907
Roe, Mary Elizabeth.....Colorado
Rogers, Hugh Earl.....Milford
B. A., Texas Christian University, 1913
Schoolfield, Emmett Charles.....Stony
Scott, Bradford Ripley Alden.....San Antonio
Simpson, Robert Keith.....Nacogdoches
Terry, Jack Stanford.....Ennis
Tharp, Roger Allen.....Huntsville
Underwood, George Milton.....Pinkston
Wedemeyer, William .....Burton
Yeager, Edward Frank.....Mineral Wells
Young, John Dalton.....Covington, La.
B. A., Jefferson College, La., 1907

Sophomores

Adair, Munsell Lee.....Marshall
Alexander, Jewell Clyde.....Houston
Anders, Walter Lesesne.....Palestine
B. A., George Washington University, 1915
Anderson, Johnson Rose.....Killeen
B. A., University of Texas, 1913
Anderson, Reuben Bennett.....Seguin
B. A., Austin College, 1914
Andronis, Nicholas.....Lewiston, Me.
B. A., Bates College, 1914
Ball, D. .....Lillian
Barcus, William Sheldon.....Waxahachie
Bidelspach, William Carlton.....Crystal City
Bradley, Raymond Leslie.....Houston
Brown, Brian Tuck.....Sherman
B. S., Austin College, 1914
Coleman, Linda Hill.....Houston
Crutchfield, Earl Dean.....Galveston
B. A., Southwestern University, 1911
Eaton, Calvin Eli.....Brownwood
D. V. M., Kansas City Veterinary College, 1913
Harp, Robert Franklin.....Abernathy
B. S., Valparaiso University, 1909
Harrington, Silas Frederick.....Plano
Hayes, Herbert Thomas.....Midway
Henry, Hiram Bascom.....Jacksonville
B. A., Southwestern University, 1908

Hill, John Ewart.....Jefferson
B. A., Methodist University of Oklahoma, 1914
Horton, Joseph Julian.....Grand Prairie
Kemp, Robert Stanley.....Kentland, Ind.
Kennedy, Edwin Jay.....Houston
B. S., Agricultural and Mechanical College of Texas, 1912;
B. A., University of Texas, 1914
Krueger, Julius Thomas.....Austin
Lasater, Oran Robert.....Santo
Lehmann, Cornelius Ferd.....San Antonio
McClendon, Samuel James.....Carrizo Springs
Mitchner, James McCalla.....Houston
Moore, Prentice Laurie.....San Antonio
Nixon, James William.....Gonzales
Pope, John Hunter.....Tyler
B. S., Marion Institute, 1913
Provence, Howell.....Decatur
B. A., Simmons College, 1913
Robinson, Joseph Anderson.....Midway, New Mexico
Rogers, William Haley.....Clarkesville, Ark.
Rudnick, Sarah.....Houston
Schaefer, Elfrieda C.....San Antonio
Ph. G., University of Texas, 1909;
B. A., University of Texas, 1910
Schlick, Walter August.....Gonzales
Schoenvogel, Otto Fred.....Moulton
Serafino, Louis Charles.....Beaumont
Shuddemagen, Walter John.....Sabinal
Spilman, Edwin Bagley.....Claude
Spradley, Jeems Brutus.....Nacogdoches
Standefer, Fred Wilson.....Meridian
Stieler, Albert .....Comfort
Stough, Dowling Bluford.....Vinita, Okla.
Stout, Samuel Donald .....Ennis
Wagner, Frank Martin .....Shiner
Wills, Thomas Opie .....Corsicana
Womack, Clifford Thomas.....El Dorado
Works, Bynum McWhorter.....Waxahachie
B. A., Trinity University, 1913
Works, Royal Leone.....Waxahachie
B. A., Trinity University, 1914

Freshmen

Adams, Rufe Edwin.....Galveston
B. S., Agricultural and Mechanical College, 1910
Alexander, Hugh Elbert.....Blanco
B. A., Baylor University, 1915
Allen, Homer Bryan.....May
Bowen, Porter Guy .....Stephenville

Bowie, Anna Mary.....Nashville, Tenn.
B. S., Vanderbilt University, 1913
Boyce, Shelton Wylie.....Leesburg
Boyle, James William.....Shamrock
B. A., Austin College, 1911
Bunge, William H. W. T. .....Cat Springs
B. A., University of Texas, 1915
Bybee, Joseph Alexander .....Willis
Campbell, Walter Douglas.....Hillsboro
Cariker, Fred Hancock.....Cushing
Carroll, Grayson Lewis.....Texarkana
Carter, Christopher Bennett.....Dallas
Cartwright, Hubert Henderson.....Amarillo
Caskey, Charles Rice.....Killeen
Christoffer, Oscar Theodore.....Mart
Cone, Robert Earl.....Galveston
Cornick, George Becker.....San Angelo
Cox, Charles Barrell.....Galveston
Crockett, John Augustus.....Chapel Hill
Crossley, Samuel Wallace.....San Antonio
Deatherage, William Robert.....Dallas
B. A., University of Texas, 1915
Dodson, Alfred Ewing.....Petersburg
B. S., Agricultural and Mechanical College, 1915
Dreiss, Adolph Martin.....San Antonio
Duncan, Mrs. Clara K. .....Houston
Gardner, John Nooe.....Boerne
Gayden, Horace Culberson.....Santa Anna
Geiss, Mollie Amelia.....Dawson, Ga.
B. S., Teachers College, Columbia, 1913
Gibbons, Olin Welborn.....Waxahachie
B. A., Trinity University, 1911
Gilbert, Allan Clay.....Irving
Gilbert, Franklin Monroe.....Irving
Gilliland, Leonard Francis.....Ranger
B. A., University of Texas, 1915
Gilliland, Phineas Earl .....Ranger
Goldberg, Sylvan Segal.....Palestine
Harris, Titus Holiday.....Georgetown
B. A., Southwestern University, 1915
Hawkins, Charles Pearre.....Fort Worth
B. S., Vanderbilt University, 1914
Hayes, Basil Alexander.....Lott
Holmes, Thomas Wyatt.....Galveston
B. S., Mississippi Agricultural and Mechanical College, 1903
Huddleston, William Elton.....Rockdale
Jaeggli, Sam.....Moulton
Jenkins, Oscar Leonard.....Clarendon
Jones, Isaac Grady.....Manor

Jordan, Dowdell Wylie.....Oglesby
B. A., Baylor University, 1915
Kelley, Cole Chapman.....San Antonio
Key, Oscar C. .....Pecos
B. A., Baylor University, 1915
Kimbrough, Orman Trimble.....Peniel
Landau, Henry Morrison.....New York
Lasater, Waldo Burton.....Austin
B. A., University of Texas, 1915
Lindley, Oda .....Abilene
B. A., Simmons College, 1913
McKeown, Hugh Spencer.....Austin
McKinney, Walter Byron.....McKinney
Maclean, Ewen Kenneth.....Buies, N. C.
Maresh, Henry Rudolph.....Weatherford
Maresh, Rudolph Edward.....Weatherford
Margo, Elias Circunsincion.....Rio Grande City
Martin, John Richard.....Georgetown
Miller, Arthur Charles.....New Ulm
B. S., Agricultural and Mechanical College of Texas, 1914
Molloy, Maxwell Suttle.....Corsicana
Moore, Ramsey Hudson.....Clarksville
Nail, James Brown.....Crawford
Nichols, Clarence Virgil.....Lampasas
Orman, McDonald .....Russellville, Ala.
Parker, William Luther.....Corpus Christi
B. A., Texas Christian University, 1914
Parrott, James Clifford.....Twin Falls, Idaho
Pierce, Ethel Margaret.....Waco
B. A., Baylor University, 1915
Powell, Leslie Charles.....Deweyville
Pryor, Jessie Walker.....San Antonio
Reese, Clarence Hubby.....Waco
Robison, John Mathews.....Austin
Robison, J. T. .....Naples
Roensch, Herbert Edward.....Bellville
Sammons, Howard Payne.....Albany
Schwenkenberg, Arthur John.....Thorndale
Shelmire, Jesse Bedford.....Dallas
Thompson, Leone Sanders.....Stamford
Turner, John Harolde.....Bonney
Tusa, Theo Samuel.....Beaumont
Urban, Kay Bonner.....Bullard
Watson, Claude Ernest.....Dallas
Wattam, James Monroe.....Denton
Wells, Cora Viola.....Rogers
Young, Roy Carl.....Covington, La.

SCHOOL OF PHARMACY

Seniors

Campbell, Thomas McGuire....Plano
Clampitt, George Washington....El Campo
Davis, William Isaac....Johnson City
Dickinson, Andrew Flint....Tenaha
Douglas, Clyde James....Clarendon
Harle, Francis Marion....Port Arthur
Hodde, Louis Frederick....Burton
Kleas, Walter Richmond....Port Arthur
McCormick, Leroy Dudley....Plano
Mann, Robert Earl....Pleasanton
Munro, Robert Murdo....Devine
Richards, Edgar Elmer....Cresson
Stevenson, Charles Adlai....Caddo Mills
Williams, Alford....Eagle Pass
Williams, Mrs. Cora Greer....Eagle Pass
Youngblood, Robert S....Henderson

Juniors

Barnes, Thomas George....Lipscomb
Bell, Eugene Carter....Baird
Binger, Henry....San Antonio
Bono, Frank Nicholas....Houston
Bowser, Lawrence Dixon....Richardson
Cobb, Walter von Truce....Haskell
Crain, Chas. Edward....San Antonio
Curtis, Ward Cleveland....Hartwood, Va.
Darnell, John Louis....Sherman
Elliott, Johnts Monroe....Bowie
Fly, Orceneth Asbury....Hondo
Frank, Henry....Austin
Gerhold, Herman William....Cuero
Hellums, Clarence Shaw....Houston
Heyland, Harry Victor....Fredericksburg
Hudson, Dow....Goldthwaite
Kientz, Christopher Frederick....Sinton
LaBauve, E. C....Edna
Lane, William Horatio....Karnes City
Mallow, Leslie Eugene....McKinney
Nance, Hardie Seay....Huntsville
Olsen, Chris Antone....Clifton
Peters, Volney Philip....Hondo
Pinson, James Roger....Proctor
Prewitt, Edwin Charles....Rockdale
Price, Leslie Carroll....Bastrop

Robinson, Reuben Tarrant	Missouri City
Rochelle, George Calvin	Rockwall
Sanders, Archie Parks	Fort Worth
Simonds, Harry Lee	Alvarado
Sprott, James Don	Rockdale
Taylor, James Roby	Tenaha
Thompson, Clarence	Nacogdoches
Walther, Gerald John	Kerrville
Williamson, Payne Lee	Kerrville
Windle, James Edgar	Henderson

SCHOOL OF NURSING

Seniors

Anderson, Cora	Alta Loma
Anderson, Edith	Round Rock
Goyen, Mrs. K.	Houston
Konzack, Annie	Alta Loma
Mitchell, Ethel	Belton
Snelling, Anna	Ozark, Ark.
Steger, Virdie	Waco
Wagner, Sophie	Ferris
Watson, Nellie	Eagle Pass
Willis, Goldie	Graham

Intermediates

Dearing, Lillie Mae	Galveston
Gold, Virgie	LaCasa
Lenoir, Leatris L.	Marlin
McCaleb, Jane	Galveston
Moseley, Margaret Wise	Port Arthur
Polkinhorn, Winifred	Laredo
Rock, Julie	San Antonio
Simmons, Blanche	Nashville, Ark.
Station, Willie	Galveston
Wilkins, Cora	Galveston
Willard, Dora	Hearne

Juniors

Able, Pamela	Corpus Christi
Beckham, Mrs. Omar	Graham
Bowles, Beulah	Fort Worth
Manger, Dollie	Tom Ball
Middlebrook, Lillie	Bay City
Pace, Maud	Jackson
Roberts, Eva	Abilene
Whiting, Elizabeth	Port Arthur

SUMMARY OF STUDENTS

DEPARTMENT OF MEDICINE

School of Medicine:		
Seniors	33	
Juniors	49	
Sophomores	50	
Freshmen	82—	214
School of Pharmacy:		
Seniors	16	
Juniors	36—	52
School of Nursing:		
Seniors	10	
Intermediates	11	
Juniors	8—	29
Individual students in the Department of Medicine		295

ATTENDANCE BY YEARS

(All departments of the University)

1883-84	221	1900-01	1,121
1884-85	209	1901-02	1,291
1885-86	199	1902-03	1,348
1886-87	245	1903-04	1,353
1887-88	250	1904-05	1,486
1888-89	278	1905-06	1,991
1889-90	309	1906-07	2,273
1890-91	283	1907-08	2,462
1891-92	388	1908-09	2,573
1892-93	353	1909-10	2,701
1893-94	482	1910-11	2,758
1894-95	630	1911-12	2,832
1895-96	730	1912-12	3,334
1896-97	751	1913-14	3,501
1897-98	800	1914-15	3,898
1898-99	986	1915-16	4,208
1899-00	1,041		

Beginning with 1910-1911, the figures are for individual students.

AFFILIATED SCHOOLS

Regulations Governing Affiliation

The regents and the faculty desire to bring the University into such close relationship with the high schools of the state that students may be able to pass from the latter to the former without perceptible break in the course of study. The privilege of affiliation, by which graduates of the high schools can enter the University without examination, is offered on the following conditions:

1. When the authorities of any school desire affiliation with the University, they shall make formal application to the Department of School Visitation. Memoranda blanks will be furnished to the superintendent or the principal of the school seeking affiliation. Upon these blanks may be indicated the courses of study in the different branches, the number of teachers and their qualifications, and such information in regard to the apparatus, appliances, etc., as may serve to give a fair idea of the general efficiency of the school.

2. If this information be satisfactory, the authorities of the school may be asked to submit specimen examination papers prepared by students pursuing the high-school subjects in which affiliation may be desired.

3. No school will be affiliated before a visitor of schools shall have visited it, and shall have rendered a report concerning its equipment and work.

4. If the council of affiliation shall be satisfied that the school should be affiliated, the authorities will be duly notified, and the name of the school will be entered, in the proper group, on the list of affiliated schools. The list will be published in the catalogue of the University.

5. To be affiliated at all, a school must prepare its graduates for the freshman class: in English, three units; history, two units; and mathematics (algebra and plane geometry), two and a half units; in all, seven and a half units. Affiliation sufficient to enable graduates to enter without conditions implies enough other units to make fourteen, including three units in one foreign language, ancient or modern, or two units in each of two

foreign languages other than Latin. Affiliation sufficient to enable graduates to enter the University conditionally includes enough other units to make twelve.

6. Affiliation may be secured in the subjects and units listed on page 13.

Concerning Admission Requirements

1. For full admission to the College of Arts and the Engineering Department, fourteen units are required. Until the high schools of the state are somewhat better developed, and until further notice is given, students may be admitted with a condition of two units; but such condition must be removed within two years after admission.

2. While all students are urged to present at least three units in some foreign language, the foreign language requirements, as contemplated, will not be enforced until further notice is given The postponement of the enforcement of the foreign language requirement is made in deference to requests from affiliated high schools, and in order to give the schools more time for the development of their foreign language courses. Students who do not satisfy the foreign language requirement on admission must, however, do so within two years thereafter.

3. Applicants for admission to the University who are graduates of affiliated schools will be credited with the subjects in which the schools are affiliated and which have been completed, and will be required to pass examination in such additional subjects, if any, as may be required to make at least twelve units.

Division of Affiliated Schools Into Groups

Affiliated schools are divided into three groups:

1. The first group includes schools affiliated in at least fourteen units.

2. The second group includes schools affiliated in at least twelve units. Graduates from schools of this group must present twelve units or lose the advantage of affiliation.

3. The third group includes schools affiliated in at least seven and a half units. The affiliation of a school admitted into the third group may continue for a period of three years, and,

if at the expiration of that time the school has not secured sufficient additional units to raise it to the second group, it may continue in the third group for three years more by passing through the steps required for original affiliation.

LIST OF AFFILIATED SCHOOLS

Revised to January 25, 1916.†

E.....English, 3 or 4.

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AH....Ancient History, 1.
MH....Medieval and Modern History, 1.
EH....English History, 1.
AmH..American History, ½ or 1.
Civ....Civics, ½.

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M.....Mathematics (Algebra and Plane Geometry), 2½
SG....Solid Geometry, ½
T.....Trigonometry, ½.

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L.....Latin, 3 or 4.
Gk.....Greek, 2 or 3.
Ger....German, 2 or 3.
F.....French, 2 or 3.
S.....Spanish, 2 or 3.

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Bi.....Biology, 1.
B.....Botany, 1.
C.....Chemistry, 1.
P.....Physics, 1.
Ph....Physiography, ½.
P&H..Physiology and Hygiene, ½
Z.....Zoology, 1.

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A.....Agriculture, ½ or 1.
Bg....Bookkeeping, 1.
D.....Drawing, ½ or 1.
DA....Domestic Art, ½ or 1.
DS....Domestic Science, ½ or 1.
MT...Manual Training, ½ or 1.
ST....Stenography and Typewriting, 1.

Abbreviations without numbers stand for subjects and the minimum number of units allowed; abbreviations with numbers stand for subjects and units beyond the minimum.

In the lists below, the school referred to is the high school of the town named, unless otherwise indicated.

†A large percentage of the changes in affiliation are made after the catalogue goes to press. The changes for the year are embodied in a separate bulletin issued in June. The Visitor of Schools will send a copy on request.

GROUP I

(Schools in this group have at least fourteen units of credit.)

*Abilene: E—AH,MH,EH,AmH,Civ—M,SG,—L,Ger—B,C,P,Ph,P&H—DA,DS. *Superintendent*, J.L.Brooks, B.A.; *Principal*, R.A. Smith, M.A.

Academy of Our Lady of the Lake, San Antonio: E—AH,MH, AmH,Civ—M,SG,T—L,Ger3—C,P,Ph,P&H. *Superintendent*, Fr. H.J. Constantineau, M.A.; *Principal*, Mother M. Philothea.

Allen Academy, Bryan: E—AH,MH,EH,AmH1—M,SG,T—L,Ger. *Principals*, J.H. Allen, R.O. Allen, B.S., B.A.

Alice: E—AH,MH,EH,AmH,Civ—M,SG—L,S3—P,Ph. *Superintendent*, J.G.Toland, B.P.,B.S.; *Principal*, J.E.Evans.

Alvin: E—AH,MH,EH,AmH,Civ—M—L,Ger—P,P&H. *Superintendent*, A.H. Russell.

*Amarillo: E—AH,MH,EH,AmH,Civ—M,SG,T—L4,Ger3,S3—B,C,P, Ph—A. *Superintendent*, M.H.Duncan, M.A.; *Principal*, J.L. Duflot, B.S.

*Austin: E4—AH,MH,AmH1,Civ—M,SG,T—L4,Ger3,F3,S3—B,C,P, Ph,P&H,Z—Bg,D1,DA1,DS1,MT1,ST. *Superintendent*, A.N.McCallum, B.A.; *Principal*, J.E.Pearce, M.A.

*Ball, Galveston: E—AH,MH,AmH1—M,T—L,F3,Ger3,S3—C,P, Ph. *Superintendent*, John W.Hopkins, M.A.; *Principal*, W.A. James, M.A.

*Ballinger: E—AH,MH,EH,AmH,Civ—M,SG,T—L,Ger3—P,Ph,P&H. *Superintendent*, W.S.Fleming, B.A.; *Principal*, J.M.Skinner, B.S.

Bastrop: E—AH,MH,AmH,Civ—M,T—L,Ger—C,P,Ph,P&H. *Superintendent*, G.C.Jones; *Principal*, L. A. Koenig.

Bay City: E—AH,MH,EH,AmH1—M,SG,T—L,Ger—C—MT. *Superintendent*, R.E.Scott; *Principal*, A.A.Aldrech, B.A.

*Beaumont: E4—AH,MH,EH,AmH,Civ—M,SG,T—L4,Ger3,F3,S3—B,C,P,Ph,P&H—Bg,DA1,DS1,MT1,ST. *Superintendent*, H.F.Triplett, M.S.; *Principal*, J.G.Fuqua, B.S.

Beeville: E—AH,MH,AmH,Civ—M,SG,T—L,S3—C,P. *Superintendent*, W.E.Madderra; *Principal*, J.P.Massey, M.A.

*Belton: E4—AH,MH,EH,AmH,Civ—M,SG—L,S3—B,P,Ph. *Superintendent*, L.H.Hubbard, B.S.

*On Southern List of Accredited Schools.

Bellville: E—AH,MH,EH,AmH,Civ—M,SG,T—Ger3—P,Ph,P&H. *Superintendent*, C.N.Shaver; *Principal*, A.L.Foster.

Big Spring: E—AH,MH,AmH,Civ—M,SG—L—P,Ph,P&H. *Superintendent*, M.H.Brasher, B.A.; *Principal*, W.A.Mancill, B.A.

Blinn Memorial College, Brenham: E—AH,MH,AmH1,Civ—M,T—Ger3—C,P,Ph,P&H—Bg. *President*, J.L.Neu, B.A.

*Bonham: E—AH,MH,AmH,Civ—M,SG—L4,Ger3—B,C,P,Ph,P&H, Z—D,DA,DS1,MT. *Superintendent*, H.D.Fillers, B.A.; *Principal*, L.H.Rather, B.A.

Bowie: E—AH,MH,EH,AmH,Civ—M,SG,T—L,Ger3—P,Ph,P&H. *Superintendent*, J.F.Sigler, M.A.; *Principal*, R.M.Barton, B.A.

*Brady: E—AH,MH,EH,AmH1—M,SG,T—L—C,P,Ph,P&H. *Superintendent*, W.L.Hughes; *Principal*, C.J.Niissle, B.A.

Brenham: E—AH,MH,EH,AmH,Civ—M,SG,T—L,Ger3—P—DA, DS,MT. *Superintendent*, W.D.Notley; *Principal*, Miss Eula P. Carroll.

Britton's Training School, Cisco: E—AH,MH,EH,AmH1—M,SG, T—L—Ph. *President*, O.C.Britton, B.A.

Brownsville: E—AH,MH,EH,AmH,Civ—M—L,S3—P,Ph,P&H. *Superintendent*, Miss Lizzie M. Barbour; *Principal*, Mrs. May H.Dickens.

Brownwood: E—AH,MH,EH,AmH,Civ—M,SG—L4,Ger—C,P. *Superintendent*, V.L.Griffin, M.Pd; *Principal*, C.H.Hufford.

Bryan: E—AH,MH,EH,AmH1—M,SG—L—P—D,MT1. *Superintendent*, W.C.Lawson, B.S.,M.A.; *Principal*, George Simpson, B.S.

Caldwell: E—AH,MH,AmH,Civ—M,T—L,Ger3—Ph,P&H. *Superintendent*, J.M.Smith; *Principal*, A.R.Stephens.

Calvert: E—AH,MH,EH—M,SG,T—L—C,P. *Superintendent*, I.N. Stephens, LL.B.; *Principal*, Mrs. Glennie Wilson Corby, B.Lit.

*Cameron: E—AH,MH,EH,AmH,Civ—M,SG—L,Ger3—C,P,Ph,P& H. *Superintendent*, J.E.Watts, B.A.; *Principal*, C.E.LaMaster, B.A.

Canyon: E—AH,MH,EH,AmH1—M,SG—L—P,Ph. *Superintendent*, E.F.King; *Principal*, H.E.Taylor, M.A.

*Center: E—AH,MH,EH,AmH—M,SG,T—L—P,Ph,P&H. *Superintendent*, O.J.Rushing, B.A.; *Principal*, H.T.Burton, B.A.

Childress: E—AH,MH,AmH1—M,SG,T—L—P—DS1,MT1. *Superintendent*, B.F.Sisk, M.A.; *Principal*, R.E.Glaze, B.A.

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*On Southern List of Accredited Schools.

Cisco: E—AH,MH,EH,AmH,Civ—M,SG—L,S—C,P,Ph—DA,DS. *Superintendent*, R.D.Green; *Principal*, R.N.Richardson, Ph.B., B.A.

*Clarksville: E—AH,MH,AmH,Civ—M,SG—L,Ger—C,P,Ph,P&H. *Superintendent*, J.W.Teasley, B.S.,M.A.; *Principal*, W.A.Payne, B.S.

*Cleburne: E4—AH,MH,EH,AmH1,Civ—M,SG,T—L,Ger3—B,C,P, Ph,P&H—A,DA,DS. *Superintendent*, Emmett Brown, B.A.; *Principal*, J.G.Dunlap, B.A.

Coleman: E—AH,MH,EH,AmH,Civ—M,SG,T—L—C,P—DA,DS. *Superintendent*, J.E.Hickman, B.S.,B.A.; *Principal*, I.C.Bagwell, B.S.

Comanche: E—AH,MH,AmH,Civ—M,SG—L—C,P,Ph,P&H. *Superintendent*, R.F.Holloway, B.S.; *Principal*, J.B.Layne.

Coronal Institute, San Marcos: E—AH,MH,EH,AmH,Civ—M,SG, T—L,Ger,S—C,P. *President*, Rev. Sterling Fisher; *Principal*, C.A.Campbell.

Corpus Christi: E—AH,MH,AmH,Civ—M,SG,T—L,S3—C,P,Ph,P &H. *Superintendent*, J.C.Tucker, B.S.; *Principal*, R.D.Coley, B.A.

*Corsicana: E4—AH,MH,EH,AmH1,Civ—M,SG,T—L4,Ger3—C,P, Ph,P&H—DA,DS1. *Superintendent*, J.E.Blair, B.S.; *Principal*, G.O.Glough, B.A.

Crockett: E—AH,MH,AmH,Civ—M,SG—L,Ger—B,P,Ph,P&H. *Superintendent*, Donald McDonald, M.A.; *Principal*, B.F.Thomas, B.A.

Cuero: E—AH,MH,EH,AmH,Civ—M,SG,T—Ger3—C,P,Ph,P&H—D,DA1,DS1,MT1. *Superintendent*, A.S.Bush, B.S.; *Principal*, W.P.Webb, B.A.

*Dallas: E4—AH,MH,EH,AmH1,Civ—M,SG,T—L,Ger,F,S—B,C,P, Ph,Z—Bg,D1,DA1,DS1,MT1. *Superintendent*, J.F.Kimball, M.A.; *Principal*, N. R. Crozier, B. A.

Del Rio: E—AH,MH,EH,AmH,Civ—M,SG—L,S3—C,P. *Superintendent*, Walter Gray, B.A.; *Principal*, Walter Stairs, B.A.,Ph.B.

Denison: E—AH,MH,EH,AmH1—M,SG,T—L4,Ger3,F—B,C,P,Ph—DA,DS,MT. *Superintendent*, F.B.Hughes, B.S.; *Principal*, B. McDaniel.

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*On Southern List of Accredited Schools.

Denton: E4—AH,MH,EH,AmH,Civ—M,SG,T—L4—C,P,Ph,P&H—Bg,DA,DS. *Superintendent*, J.W.Beaty, B.A.; *Principal*, A.Logan. M.A.

Dublin: E—AH,MH,EH,AmH,Civ—M,SG,T—L,Ger—P,Ph. *Superintendent*, A.O.Strother, B.S.,M.A.; *Principal*, W.E.Hawkins.

*El Paso: E4—AH,MH,EH,AmH1—M,SG,T—L4,Ger3,F,S3—C,P,Ph, P&H—Bg,D1,DA,DS,MT1,ST. *Superintendent*, R.J.Tighe; *Principal*, A.H.Hughey, B.A.

*Ennis: E—AH,MH,EH,AmH,Civ—M,SG,T—L,Ger3—B,C,P,Ph. *Superintendent*, J.D.Coghlan; *Principal*, W.P.Fulton, B.S.

*Farmersville: E—AH,MH,EH,AmH,Civ—M,SG—L—P,Ph,P&H. *Superintendent*, W.A.Canon; *Principal*, O.B.Mosley, B.A.

Floresville: E—AH,MH,EH—M—L,Ger—P. *Superintendent*, W. B.Toone, B.A.; *Principal*, J.A.Poston.

*Forney: E—AH,MH,EH,AmH,Civ—M,SG,—L—P,Ph—Bg. *Superintendent*, H.E.Gable, B.A.; *Principal*, Mrs. B.B.Hulsey, B.A.

*Fort Worth: E4—AH,MH,EH,AmH,Civ—M,SG,T—L4,Ger,F,S—B,C,P—Bg,D1,DA1,DS1,MT1,ST. *Superintendent*, M.H.Moore; *Principal*, R.L.Paschal, B.A.

*Gainesville: E—AH,MH,EH,AmH,Civ—M,SG—L,Ger,S—C,P,Ph, P&H—DA,DS,MT. *Superintendent*, J.P.Glasgow, M.A.; *Principal*, E.C.McDonald, B.A.

*Galveston: See Ball.

Garland: E—AH,MH,AmH,Civ—M,SG—L—C,P,Ph. *Superintendent*, C.L.Ward, B.S.; *Principal*, Earle Paschall, B.A.

Gatesville: E—AH,MH,EH,AmH,Civ—M—L—P,Ph—A1,Bg,DA. *Superintendent*, George W.Harris, M.A.; *Principal*, J.O.Potts, Ph.B.

Georgetown: E—AH,MH,EH,AmH,Civ—M,SG—L,S—P,Ph,P&H—A. *Superintendent*, John W.Clark; *Principal*, T.E.Lee.

Gonzales: E—AH,MH,EH,AmH,Civ—M,SG—L,Ger—P,Ph,P&H. *Superintendent*, W.E.Patty, Ph.B.; *Principal*, S.W.Bass.

Graham: E—AH,MH,EH,AmH1—M,SG,T—L—P,Ph. *Superintendent*, E.L.Howell; *Principal*, C.H.Puckett, B.A.

Grandview: E—AH,MH,AmH1—M—L,Ger—P. *Superintendent*, N.O.Robbins, L.I.; *Principal*, C.E.Jackson.

*Greenville: E—AH,MH,EH,AmH,Civ—M,SG,T—L,Ger—B,C,P,Ph, P&H,Z—DA,DS1,MT. *Superintendent*, L.C.Gee, M.A.; *Principal*, B.E.Masters, B.A.

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*On Southern List of Accredited Schools.

Hamilton: E—AH,MH,AmH,Civ—M,SG—L—C,P. *Superintendent*, T.L.Vance, B.A.; *Principal*, R.D.Foster.

Hardin School for Boys, Dallas: E—AH,MH,EH,AmH—M,SG, T—L—P. *Principal*, John A.Hardin, B.A.

Haskell: E—AH,MH,EH,AmH1—M,SG—L—P—DA,DS. *Superintendent*, R.J.Turrentine, M.A.; *Principal*, H.E.Bell, B.A.

*Henderson: E—AH,MH,EH,AmH,Civ—M,SG,T—L,Ger—C,P,Ph, P&H. *Superintendent*, P.B.Bittle, B.S.; *Principal*, C.A.Lanier, B.A.

Henrietta: E—AH,MH,EH,AmH—M,SG—L,Ger—P—Bg. *Superintendent*, C.F.Walker, B.S.; *Principal*, H.M.Muse.

Hereford: E—AH,MH,EH,AmH,Civ—M,SG—L—P,P&H—D. *Superintendent*, B.M.Harrison, B.A.; *Principal*, L.Fertsch.

Hico: E—AH,MH,AmH,Civ—M,SG—L—C,P. *Superintendent*, C. C.Comer, B.A.; *Principal*, J.C.Wilkerson, B.A.

*Hillsboro: E4—AH,MH,EH,AmH,Civ—M,SG—L4,Ger3—C,P,Ph, P&H—Bg,DA,DS,MT. *Superintendent*, T.D.Brooks, B.A.; *Principal*, W.T.Lofland, Ph.B.

Honey Grove: E—AH,MH,EH,AmH,Civ—M,SG—L,Ger3—C,P—D,DA,DS1,MT. *Superintendent*, W.L.Willis; *Principal*, L.F. Connell.

*Houston: E4—AH,MH,AmH—M,SG—L4,Ger3,S3—C,P,Ph,P&H—D1,DA1,DS1,MT1. *Superintendent*, P.W.Horn, M.A.; *Principal*, W.G.Smiley, B.A.

*Houston Heights: E—AH,MH,EH,AmH,Civ—M,SG—L4,Ger3—P,Ph,P&H—Bg,DA,DS,MT1,ST. *Superintendent*, H.W. Elrod; *Principal*, I.V.Brock.

Hubbard: E—AH,MH,EH,AmH,Civ—M,SG—L—P,Ph,P&H. *Superintendent*, S.B.Foster, M.A.; *Principal*, J.K.Barnes, B.A.

Huntsville: E—AH,MH—M—L,Ger—P,P&H—MT1. *Superintendent*, G.A.Odam, M.A.; *Principal*, E.E.Averitte, M.A.

Itasca: E—AH,MH,EH,AmH,Civ—M,SG,T—L—P,Ph. *Superintendent*, M.P.Rogers, B.S.; *Principal*, P.A.Bennett.

Kaufman: E—AH,MH,Civ—M—L—C,P,P&H—D,DA,MT1. *Superintendent*, O.P.Norman; *Principal*, W.W.Rogers, B.A.

Kenilworth Hall, Austin: E—AH,MH,AmH1,Civ—M,SG—L,S—B, Ph. *Principals*, Mrs. J.C.Jones, B.A., and Miss Georgia Swanson.

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La Grange: E—AH,MH,AmH,Civ—M—L,Ger3—P,Ph,P&H. *Superintendent*, W.J.Kirk; *Principal*, Mrs. J.C.Armstrong.

Lampasas: E—AH,MH,EH,AmH,Civ—M—L—C,P,Ph. *Superintendent*, G.D.Scott; *Principal*, W.W.Battle, B.S.,B.A.

Laredo: E—AH,MH,EH,AmH1—M,SG,T—L,S3—B,P,Ph. *Superintendent*, L.J.Christen; *Principal*, Miss Katherine Tarver.

Llano: E—AH,MH,AmH,Civ—M,SG—L,Ger—P,Ph—Bg. *Superintendent*, D.F.McCollum, M.A.; *Principal*, M.D.Cody, M.A.

Lockhart: E—AH,MH,AmH — M,SG—L—C,P,Ph,P&H — Bg,ST *Superintendent*, W.M.Gambrell; *Principal*, J.R.Nicholson.

*Longview: E4—AH,MH,EH,AmH,Civ—M,SG,T—L4,Ger—B,C,P, Ph,P&H,Z. *Superintendent*, S.J.Blocker, C.E.,M.A.; *Principal*, L.W.Morton, B.S.

Lubbock: E—AH,MH,EH,AmH1—M,SG,T—L,S—P. *Superintendent*, M.M.Dupre, B.S.; *Principal*, G.N.Atkinson.

*Lufkin: E—AH,MH—M,SG—L,Ger—C,P,Ph—D,MT. *Superintendent*, S.W.Dirickson, B.S.; *Principal*, R.C.Morris, B.A.

*McGregor: E—AH,MH,EH,AmH,Civ—M—L,Ger—A,P,Ph,P&H—Bg,DS1. *Superintendent*, H.P.Walker, B.S.; *Principal*, L.T.Burton, B.A.

McKinney: E—AH,MH,AmH,Civ—M,SG—L,Ger—C,P,Ph,P&H—DS1, MT. *Superintendent*, J.S.Carlisle, B.S.; *Principal*, J.H. Head, B.A.

Mansfield: E—AH,MH,AmH,Civ—M,SG—L—C,P. *Superintendent*, V.A.Byrd; *Principal*, Miss Ora Driskill.

*Marlin: E4—AH,MH,EH,Am1—M,SG,T—L4,Ger3—B,C,P,Ph,P& H,Z—A1,D1,DA1,DS1,MT1. *Superintendent*, A.C.Ferguson, M. A.; *Principal*, M.L.Caldwell, B.A.

*Marshall: E—AH,MH,EH,AmH,Civ—M,SG,T—L,Ger—B,C,P,Ph, P&H—A,D1,DA1,DS1,MT. *Superintendent*, F.L.Masterson, M. A.; *Principal*, A.J.Robinson, B.A.,B.S.

Marshall Training School, San Antonio: E—AH,MH,EH,AmH—M,SG,T—L,Ger,S3. *Principal*, E.C.Soule.

Mart: E—AH,MH,AmH,Civ—M,SG—L—C,P,Ph. *Superintendent*, Edgar McClendon, B.A.; *Principal*, I.K.Stephens, B.A.

Meridian College: E—AH,EH—M,SG,T—L,F,Ger—Z. *President*, G.F.Winfield, Ph.B.; *Principal*, R.J.Bingham, B.A.

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*On Southern List of Accredited Schools.

Mexia: E—AH,MH,EH,AmH1 — M,SG,T—L,Ger3—Bi,C,P,P&H. *Superintendent*, A.B.Weisner, B.A.,L.I.; *Principal*, Miss Mattie Watson.

Midland: E—AH,MH,EH,AmH,Civ—M,SG—L4,S3—C,P,Ph,P&H. *Superintendent*, W.W.Lackey; *Principal*, J.E.Nelson, B.A.

*Mineola: E—AH,MH,EH,AmH,Civ—M,SG,T—L4—C,P,Ph—DA, DS. *Superintendent*, P.E.Wallace, B.A.; *Principal*, E.McMullen, B.A.

Mineral Wells: E—AH,MH,EH,AmH1—M,SG,T—L4,Ger—P,Ph, P&H. *Superintendent*, E.O.McNew; *Principal*, B.M.Dinsmore, B.A.

*Nacogdoches: E—AH,MH,EH,AmH,Civ—M—L4,Ger3—C,P,Ph—MT. *Superintendent*, R.F.Davis; *Principal*, Earl Huffor, B.A.

Navasota: E—AH,MH,AmH—M,SG—L,Ger—C,P,Ph,P&H—D1,DA, DS, MT. *Superintendent*, J. Thomas Davis; *Principal*, L.G. Andrews.

Nocona: E—AH,MH,EH,AmH1—M,SG—L—P. *Superintendent*, Ross Compton, B.A.,B.S.; *Principal*, J.N.Sisk.

North Fort Worth: E—AH,MH,EH,AmH,Civ—M,SG,T—L,Ger—C,P—D, MT1. *Superintendent*, M.H.Moore; *Principal*, A.B. Fincher.

*Oak Cliff, Dallas: E4—AH,MH,EH,AmH,Civ—M,SG,T—L,Ger,S—C,P—D1,DA1,DS1,MT1. *Superintendent*, J.F.Kimball, M.A.; *Principal*, W.H.Adamson.

Orange: E—AH,MH,AmH,Civ—M,SG,T—L,Ger—C,P. *Superintendent*, E.B.Stover, B.A.; *Principal*, Miss Helen Carr.

Ozona: E—AH,MH,AmH,Civ—M,SG—L—P—DA,DS. *Superintendent*, J.B.Smith; *Principal*, H.S.Smith.

*Palestine: E—AH,MH,AmH1—M,SG,T—L,Ger3—P,Ph,P&H. *Superintendent*, L.B.Gill, L.I.; *Principal*, A.H.Fulbright, B.A.

Paris: E—AH,MH,EH,AmH,Civ—M,SG—L,Ger3,S—B,C,P,Ph,P&H,Z—DA1,DS1,MT. *Superintendent*, J.G.Wooten; *Principal*, E. L.Dohoney, Jr., B.Lit.

*Pittsburg: E—AH,MH,AmH1—M,SG—L4—C,P,P&H—DS. *Superintendent*, R.C.Campbell, B.S.; *Principal*, T.J.White, B.A.

Plainview: E—AH,MH,EH,AmH,Civ—M,SG—L4,S—P,Ph. *Superintendent*, A.G.Harrison, B.A.; *Principal*, H.P.Webb, B.A.

*Port Arthur: E—AH,MH,EH,AmH,Civ—M,SG,T—L,Ger3—B,C,

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P,Ph,P&H—D,DA,DS1,MT1. *Superintendent*, G.M.Sims, B.A.; *Principal*, E.W.Bartholomae, B.A.

*Quanah: E—AH,MH,EH,AmH,Civ—M,SG—L,S—P. *Superintendent*, J.W.O'Banion; *Principal*, I.I.Isbell, B.S.

Richmond: E—AH,MH,EH,AmH,Civ—M,SG—L,Ger—P. *Superintendent*, T.A.Fisher, B.A.; *Principal*, Miss Ella Billingslea.

Rockdale: E—AH,MH,EH,AmH,Civ—M,SG—L—P,Ph,P&H. *Superintendent*, C.G.Green; *Principal*, J.E.Morrow, B.A.

Saint Mary's Academy, Austin: E—AH,EH,AmH,Civ—M,SG,T—L,Ger3—C,P. *Superintendent*, Sister M. Remigius; *Principal*, Sister M. Philothea.

*San Angelo: E—AH,MH,EH,AmH1—M,SG—L4,S3—C,P,Ph,P&H—D1,DA1,DS1,MT1. *Superintendent*, F.E.Smith, M.S.; *Principal*, W.A.Pile, B.A.

San Antonio: E4—AH,MH,AmH,Civ—M,SG,T—L4,Ger3,S3—B,C,P,Ph,P&H—Bg,D1,DA,DS,MT1,ST. *Superintendent*, C.S.Meek, M.A.; *Pricipal*, H.H.Ryan, M.A.

*San Antonio Academy: E—AH,MH,AmH,Civ—M,SG,T—L,Ger,S—P. *Principals*, J.W.Culver, M.Sc., and B.H.Meyer, M.Sc.

San Augustine: E—AH,MH,EH,AmH,Civ—M,SG—L—P,PhP&H. *Superintendent*, W.H.Rushing, B.S.; *Principal*, E.M.Peters, B.A.

*San Benito: E—AH,MH,AmH,Civ—M—L,S3—C,P,Ph—A1,DS1. *Superintendent*, C.E.Thomas; *Principal*, F.L.Flynn, B.A.

San Marcos: E—AH,MH,EH,AmH,Civ—M,SG—L,S—C,P,Ph,P&H—D,DA,DS,MT1. *Superintendent*, E.M.Day; *Principal*, J.W. Scott, M.A.

*San Marcos Baptist Academy: E—AH,MH,EH,AmH,Civ—M,SG,T—L,Ger,S—B,P. *President*, T.G.Harris, M.A.; *Principal*, T.A. Gullett.

*Seguin: E—AH,MH,EH,AmH1—M,SG—L,Ger3—Ph. *Superintendent*, R.E.L.Adams, Ph.B.; *Principal*, Max Weinert, B.S.

Sherman: E—AH,MH,AmH,Civ—M,SG,T—L4,Ger—B,C,P,Ph,P&H—D1,DA1,DS1,MT1. *Superintendent*, J.C.Pyle, B.Lit.; *Principal*, W.B.Gibson, B.A.

Smithville: E—AH,MH,EH,AmH1,Civ—M—L—P,Ph,P&H—A,Bg. *Superintendent*, W.W.Hart; *Principal*, J.K.Barry, B.S.

*Stamford: E—AH,MH,EH,AmH1—M,SG—L,Ger—P—DA1,DS1. *Superintendent*, H.H.Guice, B.A.; *Principal*, F.M.Johns, B.A.

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*On Southern List of Accredited Schools.

Stephenville: E—AH,MH,EH,AmH1,Civ—M,SG—L—B,P,P&H. *Superintendent*, Henry Sims, M.A.; *Principal*, W.L.Spradling, B.A.

Sulphur Springs: E—AH,MH,AmH,Civ—M,SG—L—C,P,Ph—DA, DS. *Superintendent*, F.V.Garrison, B.S.; *Principal*, E.A.Haynie, B.S.

*Sweetwater: E—AH,MH,EH,AmH,Civ—M,SG,T—L4,S3—C,P,Ph, P&H—MT. *Superintendent*, J.H.Bright, B.A.; *Principal*, D.A. Clark, B.A.

Taylor: E—AH,MH,AmH,Civ—M,SG—L,Ger3—P,Ph—D,MT1. *Superintendent*, John F. O'Shea; *Principal*, J.R.Muse, M.A.

*Temple: E—AH,MH,AmH,Civ—M,SG,T—L4,Ger3—C,P,Ph—Bg, ST. *Superintendent*, W.W.Clement, B.A.; *Principal*, L.C. Procter, M.A.

Terrell: E4—AH,MH,AmH,Civ—M,SG—L,Ger—P,Ph,P&H—Bg, DA,DS,ST. *Superintendent*, S.M.N.Marrs, B.S.; *Principal*, J.C. Fortune, B.S.

Terrill School, Dallas: E4—AH,EH,AmH1—M,SG,T—L4,Ger3, F—C,P. *Principal*, M.B.Terrill, M.A.

Texarkana: E—AH,MH,EH,AmH,Civ—M,SG,T—L4,Ger—C,P,Ph, P&H—Bg,D,DA,DS,ST. *Superintendent*, G.H.Carpenter, Ph.B.; *Principal*, A.S.Dodd.

Timpson: E—AH,MH,EH,AmH,Civ—M,SG,T—L—P,Ph. *Superintendent*, Grover Hartt; *Principal*, B.M.King.

Tyler: E—AH,MH,AmH1—M,SG,T—L,Ger—C,P,Ph,P&H. *Superintendent*, W.T.Adams; *Principal*, R.D.Bryan.

Uvalde: E—AH,MH,AmH,Civ—M,SG—L,S3—C,P—D,DA1,DS1,M T1. *Superintendent*, A.W.Evans, B.A.; *Principal*, O.A.Gardner.

*Victoria: E—AH,MH,EH—M,SG—L—B,C,P,Ph. *Superintendent*, G.W.Page, Ph.D.; *Principal*, H.C.Baker, B.A.

*Waco: E4—AH,MH,EH,AmH,Civ—M,SG—L4,Ger3—Bi,C,P,Ph,P &H—D,DA1,DS1,MT1. *Superintendent*, B.B.Cobb, B.A.; *Principal*, E.T.Genheimer, Ph.B.,B.Lit.

*Waxahachie: E—AH,MH,EH,AmH,Civ—M,SG—L,Ger,S—C,P,Ph —DA1,DS1,MT. *Superintendent*, G.B.Winn; *Principal*, P.J. Herndon.

Weatherford: E—AH,MH,EH,AmH,Civ—M,SG—L,Ger—C,P,Ph— Bg,DA,DS. *Superintendent*, T.W.Stanley; *Principal*, W.O.Dewees.

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*On Southern List of Accredited Schools.

West Texas Military Academy, San Antonio: E—AH,MH,EH, AmH—M,SG,T—Ger,F,S—C,P. *Principal*, J.F.Howard, B.A.

*Whitis School, Austin: E4—AH,MH,EH,AmH,Civ—M,SG,T—L4, Ger,F3,S—Ph. *Principal*, Miss Mary Whitis.

*Wichita Falls: E—AH,MH,EH,AmH1—M,SG—L4,Ger3,S3—B,C, P,Ph,P&H—D,DA,DS,MT1. *Superintendent*, Lee Clark, B.A.; *Principal*, J.B.Jones.

Winnsboro: E—AH,MH,AmH,Civ—M,SG—L—C,P,Ph,P&H—A1, DA,DS,MT1. *Superintendent*, J.H.Sheppeard, B.A.; *Principal*, W.E.Routh, B.A.

Yoakum: E—AH,MH,AmH1,Civ—M,SG—L,Ger3—P,Ph. *Superintendent*, C.A.Peterson, B.S.; *Principal*, M.V.Peterson, B.S.

GROUP II

(Schools in this group have at least twelve units of credit.)

Arlington: E—AH,MH,AmH,Civ—M,SG,T—L—P. *Superintendent*, J.A.Kooken; *Principal*, E.L.Cowden, B.A.

Baird: E—AH,MH,AmH,Civ—M,SG—L. *Superintendent*, J.F. Boren; *Principal*, N.S.Holland.

Bellevue: E—AH,MH,AmH—M—L—P. *Superintendent*, I.G.McGee, B.A.; *Principal*, R.E.Petty.

Brackettville: E—AH,MH,AmH,Civ—M—L—P. *Superintendent*, T.S.Cox, B.A.; *Principal*, A.A.Berry.

Canadian: E—AH,MH,EH,AmH—M,SG—C,P,P&H. *Superintendent*, C.A.Gilley; *Principal*, J.F.Mead.

Carthage: E—AH,MH,EH,AmH,Civ—M,SG,T—C,P,Ph,P&H. *Superintendent*, A.J.Holmes; *Principal*, H.Clay Roberts.

Clarendon: E—AH,MH,EH,AmH—M,SG—L—P. *Superintendent*, W.R.Silvey; *Principal*, Miss Mary McLean, B.A.

Commerce: E —AH,MH,EH,AmH,Civ—M—L—P. *Superintendent*, A.L.Day; *Principal*, J.T.Morris.

Eagle Pass: E—AH,MH,AmH,Civ—M—S3—P,Ph. *Superintendent*, G.B.M.Snyder, B.S.; *Principal*, J.T.Foster.

Elgin: E—AH,MH,AmH,Civ—M,SG—L. *Superintendent*, J.T. Alexander; *Principal*, Miss Cora B. Miller.

Giddings: E—AH,MH,AmH,Civ—M,SG—Ger3—P. *Superintendent*, W.G.Walley; *Principal*, W.B.Alexander.

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*On Southern List of Accredited Schools.

Goldthwaite: E—AH,MH—M—L,Ger. *Superintendent*, F.E.Norton; *Principal*, Miss Lynne Wooten.

Harrisburg: E—AH,MH—M,SG—L—C,P—MT. *Superintendent*, W.C.Hanner; *Principal*, J.D.Moncrief.

Italy: E—AH,MH,Civ—M,SG—L—P,Ph,P&H. *Superintendent*, T.P.Mallard; *Principal*, W.E.King.

Jasper: E—AH,MH,AmH—M—L—P. *Superintendent*, R. M. White, B.A.; *Principal*, S.R.LeMay, B.A.

Lancaster: E—AH,MH,AmH,Civ—M,SG—L. *Superintendent*, W. C.Carroll; *Principal*, O.L.Wilkins, B.A.

Livingston: E—AH,AmH1—M,SG—L—P. *Superintendent*, E.T. Murphy; *Principal*, Miss Lillian Waller, B.A.

Marble Falls: E—AH,MH,AmH,Civ—M,SG,T—S3. *Superintendent*, A.S.J.Steele.

Memphis: E—AH,MH—M,SG—L—P. *Superintendent*, V.Z.Rogers, B.A.; *Principal*, Miss Eunice Pull, B.A.

New Braunfels: E—AH,MH,AmH,Civ—M—Ger3—P. *Superintendent*, B.Holekamp; *Principal*, N.E.Scudder.

Plano: E—AH,MH,EH,AmH,Civ—M,SG—P,Ph,P&H,Z. *Superintendent*, A.M.Blackman, L.I.; *Principal*, C.E.McGuire.

Royse City: E—AH,MH,EH—M—L—P. *Superintendent*, J.S. Mendenhall, B.A; *Principal*, J.R.McElroy, B.A.

San Saba: E—AH,MH,AmH—M,SG—L—P. *Superintendent*, R. T.Pritchett, B.A.

Seymour: E—AH,MH,AmH,Civ—M—L—C,P. *Superintendent*, W.E.Edelen, M.A.; *Principal*, F.A.Smith, B.A.

Snyder: E—AH,MH,AmH1—M,SG—L—P. *Superintendent*, E.A. Watson, B.S.; *Principal*, B.D.Black.

South Park, Beaumont: E—AH,MH,EH,AmH—M—L—P—MT. *Superintendent*, L.R.Pietzsch, E.E.,B.A.; *Principal*, Earl Gough, B.A.

Vernon: E—AH,MH,AmH,Civ—M,SG,T—L. *Superintendent*, T.L. Vance; *Principal*, T.A.Tunnel, B.A.

West: E—AH,MH,Civ—M—L—P,P&H. *Superintendent*, J .P. Buck; *Principal*, C.C.Hooper, B.A.

GROUP III

(Schools in this group have at least seven and one-half units of credit.)

Alpine: E—AH,MH,AmH1—M,SG—C,P. *Superintendent*, E.R. Bentley, B.A.; *Principal*, R.E.Coffin.

Bartlett: E—AH,MH,AmH—M. *Superintendent*, E.L.Bryant, B. A.; *Principal*, G.W.Preddy, B.A.

Colorado: E—AH,MH,Civ—M—P. *Superintendent*, C.D.Judd, B.A.,B.S.; *Principal*, J.E.Parks, B.A.

Cooper: E—AH,MH—M—C. *Superintendent*, J.H.Newton, B.S.; *Principal*, H.G.Sapp.

Eagle Lake: E—AH,MH—M,SG—C,P—DA. *Superintendent*, J.H. Morgan; *Principal*, R.E.Price.

Edna: E—AH,MH,EH,AmH1—M,SG—P,Ph. *Superintendent*, J.F. Johnson, B.S.; *Principal*, T.E.McMillan, M.A.

Floydada: E—AH,MH—M—C. *Superintendent*, F.E.Savage; *Principal*, E.C.Nelson, Jr., B.A.

Gilmer: E—AH,MH,AmH—M—C,P. *Superintendent*, I.A.Coston; *Principal*, J.R.Reed, B.A.

Jacksonville: E—AH,MH,EH—M—L. *Superintendent*, B.J.Albritton, B.A.; *Principal*, J.L.Goolsby.

Kingsville: E—AH,MH,AmH—M,SG—C,P. *Superintendent*, J.N. Bigbee, B.A.; *Principal*, Miss Mary H.Howren, M.A.

Kirkley School, Greenville: E—AH,MH,AmH—M—C,P,Ph. *Superintendent*, J.A.Kirkley.

Pecos: E—AH,MH—M,SG—P. *Superintendent*, F.F.Mace, B.S., B.A.; *Principal*, A.P.Cummins, M.A.

Petrolia: E—AH,MH,AmH—M,SG—C,P&H. *Superintendent*, W. J.McConnell, B.A.; *Principal*, T.C.Strickland.

Rosebud: E—AH,MH,AmH,Civ—M—L. *Superintendent*, W.H. Woodley, B.A.; *Principal*, C.M.Griswold.

Sabinal: E—MH,EH—M. *Superintendent*, T.L.Williams; *Principal*, J.E.Matthews.

State Orphan Home, Corsicana: E—AH,MH—M. *Superintendent*, W.F.Barnett; *Principal*, G.N.Anderson.

State School for the Blind, Austin: E—AH,MH,EH,AmH1—M. *Superintendent*, E.E.Bramlette, M.A.; *Principal*, J.B.Gay.